

EPA Jacket 2749-587

PROCESSING REQUEST

Reg # 2749-587

Decision # 544097

**Description: Label Amendment – Correcting Use Rate Error
On Page 15 for Recently Registered Product**

Electronic Label & Letter
(see PPLS):

OR

**Non Electronic
Label & Letter**
(Scanning required):

☒ **Dated: 9/11/2018**

☐ **Dated:**

Only one label type should be selected

Other Materials Sent (see jacket):

☐ **New CSF(s) Dated:**

☐ **Other:**

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Michael Walsh

Division: RD IVB2

Phone: 308-2972

Date: 9/12/2018



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 11, 2018

Mr. John Wright, Agent
Aceto Agricultural Chemicals Corporation
c/o Product & Regulatory Associates, LLC
8595 Collier Boulevard, Suite 107-51
Naples, FL 34114

Subject: Label Amendment – Correcting Rate Error on Page 15 for Recently Registered Product
Product Name: Buprofezin 70WDG IGR
EPA Registration Number: 2749-587
Application Date: September 11, 2018
Decision Number: 544097

Dear Mr. Wright:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

with FIFRA section 6. If you have any questions, please contact me by phone at (703) 308-2972, or via email at walsh.michael@epa.gov.

Sincerely,



Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs

Attachment

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse), Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:Buprofezin: 2-*tert*-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one.....70.0%**OTHER INGREDIENTS:**.....30.0%

Total 100.0%

Contains 0.70 lb. buprofezin per pound of product.

EPA Reg. No. 2749-587

Net Contents:

EPA Est. No.

Manufactured for:

Aceto Agricultural Chemicals Corporation

4 Tri Harbor Court

Port Washington, NY 11050

ACCEPTED

9/11/2018

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 2749-587

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.</p> <p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so thorough spray coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Use of this product in residential areas is prohibited.

Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in

your area.

- For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

MIXING DIRECTIONS

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

THIS PRODUCT ALONE: Fill spray tank with $\frac{3}{4}$ of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running.

THIS PRODUCT TANK MIXTURES: Begin with clean equipment. Fill spray tank with $\frac{3}{4}$ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with $\frac{3}{4}$ amount of water. Do not use oil as carrier or include other additives in the finished spray.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

1. Products in water soluble packets
2. Wettable powders
3. Water-dispersible granulars and/or soluble powders
4. Flowable liquids
5. Emulsifiable concentrates
6. Adjuvants and/or oils
7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure to adding required ingredients to the spray tank.

Read and follow all label direction for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard

nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre, lb. of this product per acre and lb. ai/acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438 (0.31)	Apply by ground application using a minimum of 15 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none">• Treatments should be applied when population level reaches economic threshold. Consult local or

			<p>state agricultural authorities for details.</p> <ul style="list-style-type: none"> Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
<p>Restrictions:</p> <p>Do not apply more than 4 applications per growing season.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 27 oz. of this product per acre per growing season (1.18 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 1 day.</p>			

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum spray solution of 500 gallons of water per acre.</p> <p>Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results.</p> <p>When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> red scale: Applications should begin at early crawler emergence. citricola scale: Apply after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation. cottony cushion scale: Applications should occur after complete crawler hatch. all other pests: Applications should be made when early crawler emergence occurs Through spray coverage is essential.
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 60 days.</p> <p>Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 3 days.</p>			

Citrus Fruits (Crop Group 10) (Texas & Florida Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 250 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • Thorough coverage is essential for optimum control. • Choice of water volume should be based on tree canopy size and location of the scale insect within the tree canopy. • Applications should be made at beginning of crawler hatch and emergence.
<p>Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per growing season. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 3 days.</p>			

Coffee

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	23.0	1.43 (1.0)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • Apply when population level reaches economic threshold. • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.
<p>Restrictions: Do not apply more than 4 applications per growing season. The minimum spray interval is 14 days. Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 0 day.</p>			

Grapes

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (0.53)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopies.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage. • mealybugs, begin applications at early crawler emergence. Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75 (0.4 – 0.53)	
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			
mealybugs	24.0	1.5 (1.05)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopy.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. • Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • black scale: Applications should occur after complete crawler hatch. • all other scales: Apply at early crawler emergence. • Thorough spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 50 days.</p> <p>Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Pears pear; Asian pear

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 80 gallons of water per acre.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control. • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence. • other scales, apply at early crawler emergence. • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies. • Phytotoxicity may occur in Asian pear

			varieties but is normally limited to applications made prior to petal fall.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 7 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Persimmons

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.156 (1.5)	Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. Good spray coverage is essential.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	Apply by ground application using a minimum of 80 gallons of water per acre. For low-volume sprayers, use a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence. other scales, apply at early crawler emergence. mealybugs, apply at dormant, delayed

			dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <ul style="list-style-type: none">Through spray coverage is essential
mealybugs scales	34.5	2.156 (1.5)	
Restrictions: Do not apply more than 1 application per growing season. Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Pomegranates

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12 .0– 34.5	0.75 – 2.156 (0.53 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none">• brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer.• San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.• whiteflies, apply at early nymph threshold,• other scales, apply at early crawler emergence.• mealybugs, apply when early crawler emergence occurs.• Thorough spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 – 2.875 (1.5 – 2.0)	

Restrictions:
Do not apply more than 2 applications per growing season.
The minimum spray interval is 14 days.
Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).
Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.156 (1.5)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. • Thorough spray coverage is essential.
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) Plus Pistachios: almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. • other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage. • mealybugs, Application should be made when early crawler emergence occurs. • Thorough spray coverage is essential.
<p>Restrictions:</p> <p>Do not apply more than 1 application per growing season.</p> <p>Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse Only)

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	For greenhouse tomatoes, apply by ground on 2 acre minimum with 20 gallons of water per acre. RECOMMENDATIONS <ul style="list-style-type: none">• Apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.• Good spray coverage is essential.• Apply in sufficient water to obtain complete coverage of all plant parts.• Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
whiteflies	6.0 – 9.0	0.38 – 0.56 (0.26 – 0.4)	

Restrictions:
Do not apply more than 2 applications per growing cycle.
The minimum spray interval is 5 days.
Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.
Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none">• scale and mealybugs, begin applications at early crawler emergence.• Good spray coverage is essential.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).			

Pre-Harvest Interval (PHI) is 21 days.

Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75 (0.40 – 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> • mealybugs and scales, apply at early crawler emergence for best control. • Good spray coverage is essential.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per growing season. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per growing season (1.97 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 3 days.			

Tropical Crops; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 21 days.			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

			required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of <ul style="list-style-type: none"> • whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. • scales, apply at early crawler emergence. • mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential. If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin. Consult local and state agricultural authorities for specific details.
Restrictions: Do not apply this product in residential areas. Do not apply more than 2 applications per growing season. Do not use more than 28.0 oz. of this product per acre per growing season (1.22 lb. a.i. per acre per growing season).			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Product & Regulatory Associates, L.L.C.

September 11, 2018

Mr. Michael Walsh (PM-11)
Document Processing Desk (AMEND)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Buprofezin 70WDG IGR
EPA Reg. No. 2749-587
Application for Pesticide Amendment
Fast Track Label Amendment without data.

Dear Mr. Walsh:

Aceto Agricultural Chemicals Corporation (Aceto) is submitting an application for a fast track label amendment to correct a use rate typo.

On page 15 of the enclosed label, the use rate for Tropical Crops; black sapote canistel, mamey sapote mango, papaya, sapodilia, star apple indicated the Rate of This Product (lb. ai/acre) as (04. – 0.53). The correct value is (0.40 – 0.53).

Besides adding the EPA Reg. No. 2749-587, no other changes were made to this label.

To complete this registration amendment application, enclosed please find:

- Cover letter
- Application for Pesticide Registration (EPA Form 8750-1)
- 002749-00587.20180911.Buprofezin 70WDG IGR Amendment.pdf

If you have any question in regard to this matter, feel free to contact me at (609) 841-8288 or JWrightCH@comcast.net.

Sincerely,



John F. Wright
Authorized Representative of Aceto Agricultural Chemicals Corporation

cc: Terry Kippley, Aceto



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☒ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 2749-587	2. EPA Product Manager Michael Walsh	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Buprofezin 70WDG IGR	PM# 11	
5. Name and Address of Applicant (Include ZIP Code) Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11052 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application for Pesticide Amendment, Fast Track Label Amendment without data. See cover letter for details.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On container	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John F. Wright	Title Authorized Representative Aceto	Telephone No. (Include Area Code) 609.841.8288
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 5#1024570
2. Signature 	3. Title Authorized Representative Aceto Agricultural Chemicals Corp	
4. Typed Name John F. Wright	5. Date 9/11/18	

Walsh, Michael

From: Walsh, Michael
Sent: Wednesday, September 12, 2018 3:01 PM
To: 'John Wright'
Cc: Rate, Debra
Subject: 2749-587. Corrective Label Amendment & Registration Document.
Attachments: 2749-587-20180907.pdf; 2749-587-20180911.pdf

Hi John.

Attached please find the new product registration from last Friday and the corrective label amendment processed yesterday.

To avoid any issues, please be sure that the corrected label is used for the marketed product.

Thanks.

Mike

Walsh, Michael

From: John Wright <jwrightch@comcast.net>
Sent: Tuesday, September 11, 2018 9:17 AM
To: Walsh, Michael
Subject: RE: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP
Attachments: 002749-00587.20180911.Bupprfezin70WDG IGR Amendment.pdf; 2749-587 Cover Letter Buprofezin 70WDG 11Sept18.pdf; 8570-1 2749-587 Buprofezin 70WDG 11Sept18.pdf

Here they are.

How long will be out? I hope you enjoy the time off.

From: Walsh, Michael <Walsh.Michael@epa.gov>
Sent: Tuesday, September 11, 2018 9:04 AM
To: John Wright <jwrightch@comcast.net>
Subject: RE: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP

I am going on vacation. Tomorrow is my last day in the office. Please send copies to me via email, if that is acceptable to you. Thanks.

From: John Wright [<mailto:jwrightch@comcast.net>]
Sent: Tuesday, September 11, 2018 9:03 AM
To: Walsh, Michael <Walsh.Michael@epa.gov>; Rate, Debra <Rate.Debra@epa.gov>
Subject: EPA Reg. No. 2749-587 FW: CDX PSP Package Transmitted to OPP

I just sent in the requested amended label via CDX PSP.

Do you need copies of the document sent directly to you or will this notice be sufficient?
Please let me know.

Thanks

From: helpdesk@epacdx.net <helpdesk@epacdx.net>
Sent: Tuesday, September 11, 2018 8:57 AM
To: jwrightch@comcast.net
Subject: CDX PSP Package Transmitted to OPP

Your PSP package (Buprofezin 70WDG IGR EPA Reg. No. 2749-587) for ACETO AGRICULTURAL CHEMICALS CORP. (2749) has been successfully transmitted to OPP.

Below are the application(s) included in this package and their tracking number(s):
Sec3-Amend-000001: CDX_2018_006939

Company Name: ACETO AGRICULTURAL CHEMICALS CORP.
Company Number: 2749

If you have questions concerning this message, you may contact the CDX Help Desk by email at helpdesk@epacdx.net or by calling the CDX Technical Support Staff through our toll free telephone support on (888) 890-1995 between Monday through Friday from 8:00 am to 6:00 pm EST/EDT. For International callers, the CDX Help Desk can also be reached at (970) 494-5500.

United States Environmental Protection Agency - Central Data Exchange

Receipt for Section 3

S: 1024570 Milestone Email: jwrightch@comcast.net

Regulatory Type: Product Registration - Section 3 ☐ Resubmission: ☐ Yes ☒ No

Application type: Amendment ☐ Fee For Service: ☐ Yes ☒ No

Company: 2749 ACETO AGRICULTURAL CHEMICALS CORP. ☒ Bile: ☐ Yes ☒ No

Risk Manager: Registration Division, Risk Management Team 11 ☐

Product #: 2749587 Product Name: BUPROFEZIN 70WDG IGR

Me Too Section 3: Me Too Product Name:

Application Date: 11-Sep-2018 ☒ OPP Rec'd Date: 11-Sep-2018 ☒

Front End Date: 11-Sep-2018 ☒ Risk Manager Send Date: 11-Sep-2018 ☒

FES Due Date: 10-Dec-2018 Negotiated Due Date:

OPP Target Date:

Fast Track: ☒ eCSF Ind: ☐ SmartLabel Ind: ☐ New Ingredient: ☐

Receipt Description:

Portal submission pkg. #32225. Fast track amendment to correct a use rate typo.

Form A: ☐ Signature Date: Form B: ☐ Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Electronic Label

View/Edit

New Ingredient Request Date:

New Ingredient Received Date:

LABEL AMENDMENT —

CORRECTING BLACK SATO'S
USE RATE ERROR ON PAGE 15
OF THIS RECENTLY (3-DAY OLD)
NEW PRODUCT.

M. WARE, PM 11
9/11/18

Rec'd & processed
SEP 11 2018
TMH

PROCESSING REQUEST

Reg # 2749-587

Decision # 540519

Description: New Product Registration – 100% Repack

Electronic Label & Letter
(see PPLS):

OR

**Non Electronic
Label & Letter**
(Scanning required):

☒ **Dated: 9/7/2018**

☐ **Dated:**

Only one label type should be selected

Other Materials Sent (see jacket):

☐ **New CSF(s) Dated:**

☐ **Other:**

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Michael Walsh

Division: RD IVB2

Phone: 308-2972

Date: 9/7/2018



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

2749-587

Date of Issuance:

9/7/18

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Buprofezin 70WDG IGR

Name and Address of Registrant (include ZIP Code):

Aceto Agricultural Chemicals Corp.
4 Tri Harbor Court
Port Washington, NY 11050

c/o Mr. John Wright
Agent for Aceto Agricultural Chemicals Corp.
Product & Regulatory Associates, LLC
8595 Collier Boulevard, Suite 107-51
Naples, FL 34114

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 2749-587."

Signature of Approving Official:

Michael Walsh, Product Manager 11 (7505P)
Invertebrate & Vertebrate Branch 2, Registration Division

Date:

9/7/18

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 7/1/2018

If you have any questions, please contact Michael Walsh by phone at (703) 308-2972, or via email at walsh.michael@epa.gov.

Attachment

Decision Information for 2749-587

Decision Seq: 540519 Action Code: 1300, NEW PRODUCT OR SIMILAR COMBINATION PRODUCT ... ?

FFS Start Date: 08-May-2018 Tentative Ind: No Start/Stop Clock FQPA Clock:

Due Date: 10-Sep-2018 75-Day Due Date: Days Elapsed:

OPP Target Due Date: 21-Day Due Date: 08-May-2018 FFS Original Decision: ...

Negotiated Due Date: 45-Day Due Date: 22-Jun-2018

Registrant Response Due Date: [REDACTED] Predecisional Due Date: 27-Aug-2018 Add to Bundle? ☐

Current Status: CLOSED (07-Sep-2018) Bundle ID:

Decision Status

Tracking

Create Resubmission

FFS Letters

Waiver Documentation

Action Code History

Secondary Decision

Decision Bundle

Decision Ownership Receipts Data Package Reduced Risk Meetings & Milestones FFS Information

75 Day Letters 45/90 Day Screen Primary Decisions Decision Milestone

FFS Negotiated Due Dates OPP Target Due Date Decision Comments Payment Unmatched Payments

REGISTERED ON 9/7/2018. 100% Repack of a currently registered [REDACTED] product. Formulator's Exemption Statement for generic data comp. 75-Day Letter sent via email on 6/29/2018 encrypted and password protected to John Wright/Agent for deficient labeling and CSF. Several rounds of label revisions required. Label received on 9/7/2018 is acceptable and substantially similar to the cited product with several formatting variations. The company that registered the cited product split their label after this new product application was submitted. Branch management & other PMs consulted. This product label is based on the approved label dated 12/7/2012 and incorporates some aspects of the 5/24/2018 cited label. PRD consulted for reg review status. UNCONDITIONAL. Acceptable Basic CSF is dated 7/1/2018. -M.Walsh.

100% REPACK

Viewing Record 1 of 1

NOTE TO: FILE

FROM: MICHAEL WALSH, PM II

RE: 100% REPACK; BUPROFENIN

- AGENT JOHN WRIGHT
- 75-DAY LETTER FOR LABELING & CSF; MULTIPLE CORRECTIONS & RESUBMISSIONS
- PRD CONFIRMED STATUS OF REGISTRATION REVIEW.
- A SIGNIFICANT AMOUNT OF TIME WAS SPENT ON THIS ACTION

Product ingredient source information may be entitled to confidential treatment

Walsh, Michael

From: Biggio, Patricia
Sent: Thursday, September 06, 2018 4:15 PM
To: Walsh, Michael
Cc: Rate, Debra
Subject: RE: Buprofezin reg review status. GDCI-275100-1234.

Hi Mike, Debra –

Data has been submitted for all of the data requirements, but I don't have all the DERs yet so I am not sure if it is all acceptable. I will let you know what I find out. I do not believe we plan to request additional data, although who is to say that the registrant will not provide some in light of the risk assessments.

On a side note, we are planning to mitigate for the aerial risks. Would like to get together and discuss?

Also, we may be sending RD some labels with language similar to what [REDACTED] is proposing to get your thoughts.

-Trish

From: Walsh, Michael
Sent: Thursday, September 6, 2018 3:47 PM
To: Biggio, Patricia <biggio.patricia@epa.gov>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: Buprofezin reg review status. GDCI-275100-1234.

Hi Trish.

Looking forward to hearing back from you later today, but I did want to put my questions in writing, so that you can more easily respond.

- 1) Have all the data requirements been fulfilled?
- 2) Was all of the submitted data acceptable?
- 3) Do you plan to request any additional data?

Please let me know.

Thank you for your help.

Mike

PRD

DATA REQUIREMENTS FULFILLED
+ NO ADDITIONAL DATA REQUESTS
PLANNED.
= UNCONDITIONAL REGISTRATION

Walsh, Michael

From: John Wright <jwrightch@comcast.net>
Sent: Friday, September 07, 2018 9:26 AM
To: Walsh, Michael
Cc: Rate, Debra
Subject: RE: almost there...a few more comments. RE: 2749-LIT. Label Comments.
Attachments: 002749-00LIT.20180907.Bufprfezin70WDG IGR Proposed.pdf

Here are the changes. Let me know if you need anything else here.

LABEL RESUBMISSION ON 9/7/18

From: Walsh, Michael <Walsh.Michael@epa.gov>
Sent: Friday, September 7, 2018 6:25 AM
To: John Wright <jwrightch@comcast.net>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: almost there...a few more comments. RE: 2749-LIT. Label Comments.

Dear Mr. Wright:

Please see the attached label for additional label comments.

Please make no changes to the label other than those specified in the attached document.

If possible, I would like to complete my review of this action in the next day or so.

Thank you for your prompt attention to this matter.

*PM LABEL COMMENTS
MADE ON 9/7/18*

Mike *[SUBMISSION # 1024501]*

From: Walsh, Michael
Sent: Thursday, September 06, 2018 5:39 PM
To: 'John Wright' <jwrightch@comcast.net>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: 2749-LIT. Label Comments.

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist, use detergent and hot water. Keep and wash PPE separately from laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Summary of Comments on US EPA, Pesticide Product Label,
RIMON 0.83 EC INSECTICIDE, 07/22/2015

Page: 2

Number: 1 Author: mwah02 Subject: Sticky Note Date: 9/7/2018 5:53:54 AM
Remove "s". Replace "exists" with "exist".

Olives

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.</p> <p>For aerial applications, apply in a minimum fir spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> black scale: Applications should occur after complete crawler hatch. all other scales: Apply at early crawler emergence. Thorough spray coverage is essential. Good spray coverage is essential. Use nozzles to assure good coverage. Use higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and a dense canopy.

Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 50 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.02 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.



Pears pear; Asian pear

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 5 gallons of water per acre.</p> <p>For aerial applications, apply in a minimum final spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control. mealybugs or San Jose scale, apply at bloom or at first crawler emergence. other scales, apply at early crawler emergence. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.

Page: 10

Number: 1 Author: mwahsh02 Subject: Sticky Note Date: 9/7/2018 6:05:20 AM
Remove "Good spray coverage is essential." as this is addressed in the first sentence, and as seen in the cited product.

Number: 2 Author: mwahsh02 Subject: Sticky Note Date: 9/7/2018 6:06:08 AM
For standardization and per the Citrus Fruits and Coffee rates on this label and the Citrus rates on the cited product label, change rate from "4.02" to "4.0" to match.

			<ul style="list-style-type: none"> • mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. • Through spray coverage is essential
mealybugs scales	34.5	2.156 (1.5)	
Restrictions: Do not apply more than 1 application per growing season. Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Pomegranates

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12.0– 34.5	0.75 – 2.156 (0.53 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> • brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer. • San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence. • whiteflies, apply at early nymph threshold, • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. • Through spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 – 2.875 (1.5 – 2.0)	
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Page: 12

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/7/2018 5:38:46 AM
Correct typo by replacing "Through" with "Thorough".

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.156 (1.5)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, del dormant, pre- bloom when scale is in th black cap stage or in-season at early crawler emergence. • other scales, apply at early crawler emergence. • mealybugs, apply when early crawle emergence occurs. • Thorough spray coverage is essentia

Restrictions:

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.



Tree Nuts (Crop Group 14) Plus Pistachios almonds, beechnuts, Brazil nuts, butternut cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, wal {black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, application can be r at dormant, delayed dormant, pre- blo when scale is in the black cap stage o season at early crawler emergence. • other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage. • mealybugs, Application should be n when early crawler emergence occu • Thorough spray coverage is essenti

Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 60 days.

Page: 13

Number: 1 Author: mwals02 Subject: Sticky Note Date: 9/7/2018 6:10:42 AM
To help prevent user confusion and clearly present the use sites, the header should probably be separated in some way from the use sites. The header here is "Tree Nut (Crop Group 14) Plus Pistachios". The use sites are then almonds, etc. Consider adding a dash (-) or other punctuation between "Plus Pistachios" and "almonds"

Walsh, Michael

From: John Wright <jwrightch@comcast.net>
Sent: Thursday, September 06, 2018 9:47 PM
To: Walsh, Michael
Cc: Rate, Debra
Subject: RE: 2749-LIT. Label Comments.
Attachments: 002749-00LIT.20180906.Bufprfezin70WDG IGR Proposed.pdf

Changes made as requested.

Let me know if you need anything else here.

RESUBMISSION ON 9/6/18;

From: Walsh, Michael <Walsh.Michael@epa.gov>
Sent: Thursday, September 6, 2018 5:39 PM
To: John Wright <jwrightch@comcast.net>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: 2749-LIT. Label Comments.

RECEIVED ON 9/7/18

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

LABEL COMMENTS MADE ON 9/6/18

RESUBMISSION

S# 1024450

Walsh, Michael

From: Walsh, Michael
Sent: Thursday, September 06, 2018 5:39 PM
To: 'John Wright'
Cc: Rate, Debra
Subject: 2749-LIT. Label Comments.
Attachments: 2749-LIT PM and Secondary Review September 6 2018 MWDNR.pdf

Dear Mr. Wright:

Attached please find the most recent set of label comments.

Please thoroughly check and address the comment.

Since we are in the process of working toward finalizing the label, please make no changes to the label, other than those specified in the attachment.

Please note that I am out of the office on Monday, and hope to complete this action in the next day or two.

Thank you for your prompt attention to this matter.

Mike

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse), Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:

Buprofezin: 2-*tert*-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one.....70.0%

OTHER INGREDIENTS:.....30.0%

Total 100.0%

Contains 0.70 lb. buprofezin per pound of product.

EPA Reg. No. 2749-LIT

EPA Est. No.

Net Contents:

Manufactured for:

Aceto Agricultural Chemicals Corporation

4 Tri Harbor Court

Port Washington, NY 11050

ACCEPTED

9/7/2018

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under

EPA Reg. No. 2749-587

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.</p> <p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so through spray coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Use of this product in residential areas is prohibited.

Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in

your area.

- For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

MIXING DIRECTIONS

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

THIS PRODUCT ALONE: Fill spray tank with $\frac{3}{4}$ of the amount of water needed for the intended application and then turn on agitation. Pour recommended amount of product on the surface of water in the spray tank. Add the balance of the water to the spray tank with agitation running.

THIS PRODUCT TANK MIXTURES: Begin with clean equipment. Fill spray tank with $\frac{3}{4}$ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with $\frac{3}{4}$ amount of water. Do not use oil as carrier or include other additives in the finished spray.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

1. Products in water soluble packets
2. Wettable powders
3. Water-dispersible granulars and/or soluble powders
4. Flowable liquids
5. Emulsifiable concentrates
6. Adjuvants and/or oils
7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure to adding required ingredients to the spray tank.

Read and follow all label direction for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard

nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre, lb. of this product per acre and lb. ai/acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438 (0.31)	Apply by ground application using a minimum of 15 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none">• Treatments should be applied when population level reaches economic threshold. Consult local or

			state agricultural authorities for details. <ul style="list-style-type: none"> Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 4 applications per growing season. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per growing season (1.18 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	Apply by ground application using a minimum spray solution of 500 gallons of water per acre. Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results. When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> red scale: Applications should begin at early crawler emergence. citricola scale: Apply after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation. cottony cushion scale: Applications should occur after complete crawler hatch. all other pests: Applications should be made when early crawler emergence occurs Through spray coverage is essential.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (Texas & Florida Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 250 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • Thorough coverage is essential for optimum control. • Choice of water volume should be based on tree canopy size and location of the scale insect within the tree canopy. • Applications should be made at beginning of crawler hatch and emergence.

Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per growing season.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Coffee

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	23.0	1.43 (1.0)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • Apply when population level reaches economic threshold. • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.

Restrictions:

Do not apply more than 4 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (0.53)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopies.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage. • mealybugs, begin applications at early crawler emergence. Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75 (0.4 – 0.53)	
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			
mealybugs	24.0	1.5 (1.05)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. Water volumes should be adjusted based on the size of the grape canopy. Higher water volumes should be used for dense canopy.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. • Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using 110 to 500 per acre spray volume. Apply in sufficient water volumes to provide adequate coverage for tree size. Through coverage is critical for adequate control.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • black scale: Applications should occur after complete crawler hatch. • all other scales: Apply at early crawler emergence. • Thorough spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 50 days.</p> <p>Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Pears pear; Asian pear

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 80 gallons of water per acre.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control. • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence. • other scales, apply at early crawler emergence. • Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies. • Phytotoxicity may occur in Asian pear

			varieties but is normally limited to applications made prior to petal fall.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 7 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Persimmons

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.156 (1.5)	Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. Good spray coverage is essential.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	Apply by ground application using a minimum of 80 gallons of water per acre. For low-volume sprayers, use a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence. other scales, apply at early crawler emergence. mealybugs, apply at dormant, delayed

			<ul style="list-style-type: none">dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence.Through spray coverage is essential
mealybugs scales	34.5	2.156 (1.5)	

Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12 .0– 34.5	0.75 – 2.156 (0.53 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none">• brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer.• San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.• whiteflies, apply at early nymph threshold,• other scales, apply at early crawler emergence.• mealybugs, apply when early crawler emergence occurs.• Thorough spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.16 – 2.875 (1.5 – 2.0)	
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.			

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.156 (1.5)	<p>Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. • Thorough spray coverage is essential.
<p>Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) Plus Pistachios: almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. • other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage. • mealybugs, Application should be made when early crawler emergence occurs. • Thorough spray coverage is essential.
<p>Restrictions: Do not apply more than 1 application per growing season. Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse Only)

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	For greenhouse tomatoes, apply by ground on 2 acre minimum with 20 gallons of water per acre. RECOMMENDATIONS <ul style="list-style-type: none">• Apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.• Good spray coverage is essential.• Apply in sufficient water to obtain complete coverage of all plant parts.• Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
whiteflies	6.0 – 9.0	0.38 – 0.56 (0.26 – 0.4)	
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle. Pre-Harvest Interval (PHI) is 1 day.			

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	<p>Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • scale and mealybugs, begin applications at early crawler emergence. • Good spray coverage is essential.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	

Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> • mealybugs and scales, apply at early crawler emergence for best control. • Good spray coverage is essential.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per growing season. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per growing season (1.97 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 3 days.			

Tropical Crops; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 21 days.			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

			required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of <ul style="list-style-type: none"> • whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. • scales, apply at early crawler emergence. • mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential. If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin. Consult local and state agricultural authorities for specific details.
Restrictions: Do not apply this product in residential areas. Do not apply more than 2 applications per growing season. Do not use more than 28.0 oz. of this product per acre per growing season (1.22 lb. a.i. per acre per growing season).			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

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LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

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[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse)  Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one.....70.0%

OTHER INGREDIENTS:.....30.0%

Total 100.0%

EPA Reg. No. 2749-LIT

EPA Est. No.

Net Contents:

Manufactured for:


Summary of Comments on US EPA, Pesticide Product Label,
RIMON 0.83 EC INSECTICIDE, 07/22/2015

Page: 1


Number: 1 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 5:28:14 PM

 Add a comma here.

Number: 2 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 1:33:19 PM

 Per the cited product, add "Contains 0.70 lb. buprofezin per pound of product" to appear here.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 5:31:04 PM

 Relocate this text to the bottom of the page

Number: 4 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 5:22:15 PM

 Add "T" before the term "Precautionary"

Number: 5 Author: drate Subject: Inserted Text Date: 9/6/2018 3:27:07 PM

[Aid],  [Cautionary Statements] [and] [Directions for Use] 

ILITY" before buying or using. If terms are not acceptable, return at

**OF REACH OF CHILDREN
CAUTION****FIRST AID**

on control center or doctor immediately for treatment advice.
son sip a glass of water if able to swallow.
duce vomiting unless told to do so by the poison control center or

ve anything by mouth to an unconscious person.

contaminated clothing.

n immediately with plenty of water for 15-20 minutes.

son control center or doctor for treatment advice.

son to fresh air.

is not breathing, call 911 or an ambulance; then give artificial

on, preferably by mouth to-mouth, if possible.

son control center or doctor for further treatment advice.

open and rinse slowly and gently with water for 15-20 minutes.
contact lenses, if present, after the first 5 minutes, then continue

e.

son control center or doctor for treatment advice.

th you when calling a poison control center or doctor or going for
CAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 orpecific antidote. All treatment should be based on observed signs
nt. Overexposure to materials other than this product may have

EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS
FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies to uses of this product that is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, such as for lawns, golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until the sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whiteflies, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not a contact insecticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide, so thorough spray coverage is essential. Apply by air in sufficient water volume. Orient nozzles to ensure good coverage. Use of higher water volume will assure better coverage, especially under adverse conditions such as hot weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, potato whitefly

mealybugs: apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale


Page: 3

Number: 1 Author: mwahsh02 Subject: Sticky Note Date: 9/6/2018 5:20:28 PM
the "c" appears to be bolded.

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any  irrigation system.
- Not for use in residential greenhouses.

Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS




- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gal per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide contain individuals naturally resistant to this product and other Group 16 insecticides. Th individuals may dominate the insect population if this group of insecticides are used repe fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing se growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effecti pest when such use is permitted. Do not rely on the same mixture repeatedly for population. Consider any known cross-resistance issues (for the targeted pests) individual components of a mixture. In addition, consider the following recomme by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effe at the rates at which they are individually registered for use against the
 - Mixtures with components having the same IRAC mode of action classi recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues betw components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to on ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture ar components have similar periods of residual insecticidal activity. Mixtur with unequal periods of residual insecticide activity may offer an insect management benefit only for the period where both insecticides are act
- Adopt an integrated pest management program for insecticide/acaricide use tha uses historical information related to pesticide use crop, rotation, record keeping considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival : presence of resistance, consult with your local university specialist or certified p
- Contact your local extension specialist or certified crop advisors for any  pesticide management and/or IPM recommendations for the specific site and pest proble

Page: 4


Number: 1 Author: mwahsh02 Subject: Sticky Note Date: 9/6/2018 5:20:55 PM

To prevent possible misuse, revise this third restriction to read "Use of this product in residential areas is prohibited."

Number: 2 Author: drate Subject: Sticky Note Date: 9/6/2018 3:36:32 PM

Align text and bullets.

Number: 3 Author: drate Subject: Inserted Text Date: 9/6/2018 3:41:27 PM

 additional

- For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum, single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

MIXING DIRECTIONS

Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying

Page: 5

Number: 1 Author: drate Subject: Cross-Out Date: 9/6/2018 3:42:37 PM

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 5:21:31 PM
add comma here

Number: 3 Author: drate Subject: Inserted Text Date: 9/6/2018 3:48:34 PM
add a comma

Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 1:24:25 PM
Add the statement in bolded text that reads "Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive label precautions and limitations." to appear above the Spray Drift Reduction Management header.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

1. Products in water soluble packets
2. Wettable powders
3. Water-dispersible granulars and/or soluble powders
4. Flowable liquids
5. Emulsifiable concentrates
6. Adjuvants and/or oils
7. Remaining amount of water to achieve the desired level

Note: It is recommended that the compatibility of this product in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart (qt) jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then flowable liquids, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure to add required ingredients to the spray tank.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to

application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size. Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of **Page: 6**

mph. However, many factors, including drop potential at any given wind speed. Only apply Do not apply when wind velocity exceeds 15 Risk of exposure to sensitive aquatic areas toward the aquatic area.

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 5:23:27 PM
Check here. Text is to be replaced.

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 5:23:47 PM
Add a comma here.

Number: 3 Author: drate Subject: Inserted Text Date: 9/6/2018 3:56:46 PM
add comma

Number: 4 Author: drate Subject: Inserted Text Date: 9/6/2018 3:59:06 PM
lb. of this product per acre and lb. ai/acre

Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 1:57:43 PM
Revise rate to match cited "0.438"

Restrictions During Temperature Inversion

Do not make ground applications during temperature inversions. Temperature inversions restrict vertical air mixing, so that pesticides remain close to the ground and move laterally. They are characterized by stable air and increasing temperature with height. They begin to form at night or in the early morning when the ground cools and the air near the surface becomes cooler than the air above it. They are often associated with light winds and high humidity. They can persist for several days, but are usually broken by an increase in wind or a change in weather.

Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

The use rate for this product is expressed in terms of the oz. of this product per acre and lb. ai/acre. **Rate-oz./acre and Rate-lb./acre**

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 (0.31)	<p>Apply by ground application using a minimum of 15 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> Treatments should be applied when population level reaches economic threshold. Consult local or state agricultural authorities for details. Through spray coverage is essential. Use of a higher volume of spray will ensure better coverage especially under adverse conditions.

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:00:09 PM
Revise to match cited, which is "2.156 to 2.875"

hot, dry weather and/or a dense canopy.

Number: 2 Author: drate Subject: Highlight Date: 9/6/2018 4:13:39 PM
Revise recommendation to match the cited product label.

Number: 3 Author: drate Subject: Sticky Note Date: 9/6/2018 4:29:12 PM
Bullet and indent, as is seen in other sections.

season (1.18 lb. a.i. per acre per growing

Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 1:56:12 PM
For clarity, revise "(TX & FL Only)" to read "(Florida and Texas Only)"

Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:02:09 PM
Revise this to match cited "2.156 to 2.875"

**citrus hybrids (including chironja,
; lime; mandarin; orange, sour;**

orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply by ground application using a minimum spray solution of 500 gallons of water per acre. Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for maximum results. When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour.</p> <p>For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • red scale, apply at early crawler emergence. • citricola scale, begin applications after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation. • cottony cushion scale, apply after complete crawler hatch. • all other pests, apply at early crawler hatch. <p>Apply sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>

Restrictions:

Do not apply more than 2 applications per growing season.


The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per growing season (4.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 250 gallons of water per acre.</p> <p>For aerial applications, apply in a minimum finished</p>

			RECOMMENDATIONS <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage. • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75 (0.4 – 0.53)	 spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 2 applications per growing season. The minimum spray interval is 14 days. Do not use more than 24.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 7 days.			
mealybugs	24.0	1.5 (1.05)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies. Apply a minimum spray solution of 5 gallons per acre by air.
Restrictions: Limited to Arizona and California Only Do not use more than 34.0 oz. of this product per acre per growing season (1.05 lb. a.i. per acre per growing season). Pre-Harvest Interval (PHI) is 30 days.			

Olives

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	Apply by ground application using 110 to 500 per acre spray volume. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.
RECOMMENDATIONS <ul style="list-style-type: none"> • black scale, apply after complete crawler emergence from the female scale has occurred. 			

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:09:52 PM

Per the cited, this text should be moved up to appear as part of the mealybugs bullet.

Number: 2 Author: drate Subject: Highlight Date: 9/6/2018 4:23:45 PM

24.0 oz

Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:20:46 PM

John, please go back to the cited product and assure this information is presented appropriate as seen on the cited product label. Is there duplicative text here?

Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:21:26 PM

Bullet and indent to align with text above.

Number: 5 Author: drate Subject: Highlight Date: 9/6/2018 4:27:40 PM

24.0 oz

Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:24:05 PM

Per the cited product, revise the rate to read "2.155 to 2.875"

Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:26:32 PM

Relocate the text below that is applicable for ground application. See cited product

Number: 8 Author: drate Subject: Highlight Date: 9/6/2018 4:38:34 PM

Adjust text per most recent cited product label.

- all other scales, apply at early crawler emergence.

Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.

Good spray coverage is essential. Orient nozzles to ensure good coverage. Use a higher volume of water coverage especially under such as hot, dry weather and/or

Page: 10

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:28:23 PM

Adjust text per cited product where water volume on canopy has to do with ground application.

Number: 2 Author: drate Subject: Sticky Note Date: 9/6/2018 4:40:13 PM

bullet text as above.

Number: 3 Author: drate Subject: Highlight Date: 9/6/2018 4:41:44 PM

Please confirm the math.

3.03 lb. a.i. per acre per

Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:29:39 PM

Revise the rate to match the cited product "2.156 to 2.875"

Number: 5 Author: drate Subject: Sticky Note Date: 9/6/2018 4:45:12 PM

Bullet text as above.

For all pear, Asian pear

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.16 – 2.68 (1.5 – 2.0)	<p>Apply by ground application using a minimum of 80 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> • pear psylla, for best results of controlling 1st and 2nd instars, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adulticide for optimum control. • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence. • other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 7 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	<p>1 Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being geted.

Page: 11

Number: 1 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 2:31:47 PM
Revise rate to match cited "2.156"

Number: 2 Author: drate Subject: Sticky Note Date: 9/6/2018 4:49:05 PM
Missing text for low-volume sprayers. See most recent approved cited product for language.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 2:36:03 PM
Revise to match cited. ng season (3.0 lb. a.i. per acre per

Number: 4 Author: mwals02 Subject: Sticky Note Date: 9/6/2018 2:35:48 PM
Revise to match cited "2.156".

Some Fruits (Crop Group 11-16) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	<p>2 Apply by ground application using a minimum of 80 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre-bloom or in-season at early crawler emergence. other scales, apply at early crawler emergence. mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Go spray coverage is essential</p>
mealybugs scales	34.5	2.1 (1.5)	<p>4 Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>

Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 34.5 oz. of this product per acre per growing season (1.5 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12.0– 34.5	0.75 – 2.15 (0.53 – 1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

Page: 12

- Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:38:39 PM
Revise to match cited "0.75 - 2.156"
- Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:40:37 PM
Revise to match cited.
- Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:39:26 PM
Revise rate to match cited "2.16 - 2.875"
- Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 9/6/2018 2:47:44 PM
Per the cited, revise to "2.156"
- Number: 5 Author: drate Subject: Highlight Date: 9/6/2018 4:53:32 PM
revise to 1.5

RECOMMENDATIONS

For **San Jose scale**, apply at dormant timing getting the overwintering population or at crawler emergence during the summer.
For **San Jose scale**, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence.
For **whiteflies**, apply at early nymph threshold,
For **other scales**, apply at early crawler emergence.

mealybugs scales	34.5 – 46.0	2.16 – 2.86 (1.5 – 2.0)	Good spray coverage is essential. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the canopy, Use higher volumes for dense canopies.
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Restrictions:

Do not apply more than 2 applications per growing season.
The minimum spray interval is 14 days.
Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).
Pre-Harvest Interval (PHI) is 14 days.

Stone Fruits (Crop Group 12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 (1.5)	Apply by ground application using a minimum of 50 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. other scales, apply at early crawler

			<p>emergence.</p> <ul style="list-style-type: none"> mealybugs, apply when early crawler emergence occurs. <p>1 Good spray coverage is essential.</p> <p>2 Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing season.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts (black and English) and pistachios.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>3 Apply by ground application using a minimum of 100 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.</p> <p>RECOMMENDATIONS</p> <ul style="list-style-type: none"> San Jose scale, application can be made at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence. other scales, apply at early crawler emergence or when scales are of a susceptible early nymphal stage. mealybugs, Application should be made when early crawler emergence occurs. <p>4 Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>

Restrictions:

Do not apply more than 1 application per growing season.

Do not use more than 46.0 oz. of this product per acre per growing season (2.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 60 days.

Page: 13



Number: 1 Author: drate Subject: Sticky Note Date: 9/6/2018 4:58:24 PM
Revise to match cited.

Number: 2 Author: drate Subject: Highlight Date: 9/6/2018 4:56:35 PM
Revise Header to "Tree Nuts (Crop Group 14) Plus Pistachio"

Number: 3 Author: mwash02 Subject: Sticky Note Date: 9/6/2018 2:50:26 PM
Revise rate to match cited "2.156 - 2.285"

Number: 4 Author: drate Subject: Sticky Note Date: 9/6/2018 4:58:40 PM
Revise to match cited.

Tomatoes (Greenhouse Only)

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	For greenhouse tomatoes, apply by ground on 2 acre minimum with 20 gallons of water per acre. RECOMMENDATIONS <ul style="list-style-type: none"> • apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.  Good spray coverage is essential.
whiteflies	6.0 – 9.0	0.38 – 0.56 (0.26 – 0.4)	 Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.


an 2 applications per growing cycle.

interval is 5 days.

18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per

PHI) is 1 day.

a, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, it, soursop, starfruit, sugar apple and wax jambu.

Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
34.5	2.156 (1.5)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> • scale and mealybugs, begin applications at early crawler emergence.  Good spray coverage is essential.
9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	leafhoppers mealybugs whiteflies

Restrictions:

Limited to Florida, Hawaii and Puerto

Do not apply more than 2 applications per growing season.

The minimum spray interval is 14 days.

Do not use more than **49.0 oz.** of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	Apply by ground application using a minimum of 20 gallons of water per acre. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre. RECOMMENDATIONS <ul style="list-style-type: none"> mealybugs and scales, apply at early crawler emergence for best control. Good spray coverage is essential.

la, Hawaii and Puerto

e than 5 applications per growing season.

ay interval is 14 days.

than 45 oz. of this product per acre per growing season (1.97 lb. a.i. per acre per growing

val (PHI) is 3 days.

igan, pulasan, rambutan, Spanish lime.

	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
	34.5	2.16 (1.5)	Apply by ground application using a minimum of 75 gallons per acre spray volume. For aerial applications, apply in a minimum finished spray volume of 5 gallons per acre.

re than 2 applications per growing season.

ray interval is 14 days.

re than 39.0 oz. of this product per acre per growing season (3.0 lb. a.i. per acre per growing season).

Pre-Harvest Interval (PHI) is 21 days.

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate of This Product lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	RECOMMENDATIONS For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution

			required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of <ul style="list-style-type: none"> • whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. • scales, apply at early crawler emergence. • mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential. If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin. Consult local and state agricultural authorities for specific details.
Restrictions: Do not apply more than 2 applications per growing season. Do not use more than 28.0 oz. of this product per acre per growing season (1.22 lb. a.i. per acre per growing season).			



STORAGE AND DISPOSAL

ite water, food or feed by storage and disposal.

RAGE: Store in original container in a cool, dry and secure location.

OSAL: Wastes resulting from the use of this product must be disposed on
oved waste disposal facility.

akaging:]

NDLING: Nonrefillable container. Do not reuse or refill this container. Triple
rinse container (or equivalent) promptly after emptying. **Triple rinse as**
ie remaining contents into application equipment or a mix tank. Fill the
ith water and recap. Shake for 10 seconds. Pour rinsate into application
ix tank. Drain for 10 seconds after the flow begins to drip. Repeat this
re times. **Pressure rinse as follows:** Empty the remaining contents into
ment or a mix tank. Hold container upside down over application equipment
lect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side
and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after
drip. Then, offer for recycling if available or puncture and dispose of in a
r by incineration, or if allowed by State and local authorities, by burning. If
f smoke.

Liners:]

NDLING: Nonrefillable container. Do not reuse or refill this container.
/ liner by shaking and tapping sides and bottom to loosen clinging particles.
o the handling or application equipment. Then offer for recycling if available,
in a sanitary landfill, or by incineration, or by burning, if allowed by state
es. If burned, stay out of smoke. If drum is contaminated and cannot be
f it in the manner required for its liner.

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Walsh, Michael

From: John Wright <jwrightch@comcast.net>
Sent: Wednesday, August 29, 2018 8:47 AM
To: Walsh, Michael
Cc: Rate, Debra
Subject: RE: 2749-LIT. Label Comments.
Attachments: 002749-00LIT.20180828.Bufprfezin70WDG IGR Proposed.pdf

Mike,

I have made all the changes requested except for the last one #6 on page 16. The math is correct since the expression is for lbs. of active ingredient not product. This is consistent with all the other locations.

Please let me know if you need anything else here.

RESUBMISSION ON 8/29/18

From: Walsh, Michael <Walsh.Michael@epa.gov>
Sent: Thursday, August 23, 2018 5:30 PM
To: John Wright <jwrightch@comcast.net>
Cc: Rate, Debra <Rate.Debra@epa.gov>
Subject: 2749-LIT. Label Comments.

Hi John.

LABEL COMMENTS MADE ON 8/23/18

Please see the attached letter and label with comments.

Please note that I will be out of the office tomorrow (Friday) and Monday.

The current PRIA Due Date for this action is September 10, 2018.

If you have any questions, please let me know.

Thank you for your prompt attention to this matter.

Mike

RESUBMISSION
S# 1024267

Comments to John Wright Agent for 2749-LIT incorporated into a PDF and sent via email on 8/23/2018

Page 2 - Add the term "exist" here for the statement to read, "If no such instructions for washables exist, use detergent and hot water."

Page 3 - in the Ag Use Requirements box - Check this against cited product language.

Page 3 - The Product Information section does not match the cited.

Page 3 - In the Insects Controlled section, remove bod from "c" in citrus.

Page 3 and Page 4 - Bold or underline subheaders in the insect scales section.

Page 4 - Bold the text "USE RESTRICTIONS".

Page 4 - Bod the text "USE PRECAUTIONS".

Page 5 - Why is the Spray Drift Reduction section appears before the application directions.

Page 5 - For clarity, bod the subheaders under the Spray Drift Reduction section.

Page 6 - With regard to the Use Rate Equivalency section that the 75-Day Letter sent to him indicated that the product label should be identical/substantially similar to the cited product, and asked where this new Table is found on the cited product.

Page 6 - The Mixing Instructions are not virtually identical/substantially similar to the cited product.

Page 6 - Remove the reference to the formulation type "water dispersible granule" which does not appear on the cited product label.

Page 6 -The cited product is divided into use of the product alone or with tank mixtures.

Page 6 - The Tank Mixtures section is not virtually identical or substantially similar to the cited product.

Page 7 - The use site index does not appear on the cited product. It is not appropriate to have this information on page 7 of the label as part of the Directions for Use.

Page 7 and throughout the label - clarify that the rate lb acre (lb ai/acre) is for this product.

Page 7 and throughout the label - rephrase the "Apply a minimum spray solution of 15 gallons per acre by ground" for clarity. See cited for reference.

Page 7 and throughout the label, revise the header "For best results." to read "Recommendations". The phrase "For best results" is not seen on the cited product.

Page 8 and throughout the label, revise the "per year" in the Restrictions section to read "per growing season." See cited product.

Page 10 - The Grapes (AZ and CA Only) table does not appear on the cited product. As presented, separating these instructions from the general Grape use directions may cause user confusion, and represents a potential for misuse.

NOTE: The comments on the highlighted label provided to the registrant included dozens of repeat comments related to the Directions for Use.


9/4/18

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse) Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:

Buprofezin: 2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one.....70.0%

OTHER INGREDIENTS:.....30.0%

Total 100.0%

EPA Reg. No. 2749-LIT

EPA Est. No.

Net Contents:

Manufactured for:

Aceto Agricultural Chemicals Corporation

4 Tri Harbor Court

Port Washington, NY 11050

PM LABEL

COMMENTS

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.</p> <p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Summary of Comments on US EPA, Pesticide Product Label,
RIMON 0.83 EC INSECTICIDE, 07/22/2015

Page: 2

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 8:32:13 AM

Add the term "exist" here for the statement to read, "If no such instructions for washables exist, use detergent and hot water."

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, on, and emergency assistance. It also contains specific instructions and the statements on this label about personal protective equipment (PPE), and the requirements in this box only apply to uses of this product that are covered under the standard.

Do not enter treated areas during the restricted entry interval (REI) of 12 hours.

Do not enter treated areas that is permitted under the Worker Protection Standard and anything that has been treated, such as plants, soil, or water is:

USE REQUIREMENTS

This box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used on agricultural plants on farms, forests, or greenhouses. For other uses, including golf course uses, do not enter treated areas without protective clothing until

PRODUCT INFORMATION

This product is a growth regulator effective against the nymphal stages of whitefly, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, reducing viability of adults, and reducing viability of eggs. This product is not an insecticide which requires good uniform through coverage of foliage. This activity may be slower than typical contact insecticides as treated pests remain alive on the plant for 3-7 days; however, pests have stopped feeding and damage during this time is typically very low.

This product is not harmful to beneficial insects and mites.

This is a contact insecticide which requires good uniform through coverage of foliage. Use by ground or air in sufficient water volume to obtain through coverage of stems and underside of foliage. Orient nozzles to ensure good coverage. Water will assure better coverage, especially under adverse conditions of wind, rain, and/or a dense canopy. The entire field should be treated. Apply based on local information.

Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

Whiteflies: banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet

Mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, scale mealybug

Leafhoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, sharpshooter, potato leafhopper, variegated leafhopper, Western apple leafhopper

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax

scales, tessellate scale, white peach scale

armored scales: bolduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau New York state.
- Do not apply this product through any type of irrigation system.
- Not for use in residential greenhouses.

Crop Rotational Restrictions:

CROP	PLANTBACK TIME
All crops registered for use with buprofezin	0 days following a
Cereal grains	30 days following
All other crops	60 days following

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to ap made prior to petal fall.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any i contain individuals naturally resistant to this product and other Group 16 insect individuals may dominate the insect population if this group of insecticides are u fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a gr growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equa pest when such use is permitted. Do not rely on the same mixture repe population. Consider any known cross-resistance issues (for the target individual components of a mixture. In addition, consider the following n by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be hi at the rates at which they are individually registered for use aga
 - Mixtures with components having the same IRAC mode of actio recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance iss components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developi ingredients, but they may still provide pest management benefi
 - The insect resistance management benefits of an insecticide r components have similar periods of residual insecticidal activi with unequal periods of residual insecticide activity may offer a management benefit only for the period where both insecticide
- Adopt an integrated pest management program for insecticide/acaricide uses historical information related to pesticide use crop rotation, record considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Page: 4

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 9:56:07 AM
Bold or underline this subheader

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 9:56:28 AM
bold or underline this subheader

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:47:15 AM
Bold

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:49:48 AM
Bold

- Contact your local extension specialist or certified crop advisors for any pesticide resistance management and/or IPM recommendations for the specific site and pest.
- For further information or to report suspected resistance contact Aceto 6000.

See specific crop Use Directions for maximum single application rate, annual applications and amount of active ingredient.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. Equipment and weather-related factors determine the potential for spray drift. Consider all of these factors when making application decisions. Avoiding responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) have more drift potential than large droplets. Within typical equipment specifications, application should be made with the largest droplet spectrum that provides sufficient control and coverage. Use spray nozzles (for ground and non-ULV aerial application) according to ASAE standards. In conditions of low humidity and high temperatures, applicators should

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles and spray the outer two (2) rows. To minimize spray loss over the top in orchards, direct the spray into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift. The minimum practical boom length should be used and must not exceed 75% of the aircraft diameter. Flight speed and nozzle orientation must be considered in determining spray release height. Spray must be released at the lowest height consistent with pest control and safety. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge by adjusting the path of the aircraft upwind. Making applications at the lowest height minimizes the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversions). However, many factors, including droplet size, canopy and equipment, affect drift potential at any given wind speed. Only apply this product if the wind direction is from the upwind side. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windy conditions. Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential increases during temperature inversions. Temperature inversions restrict vertical air mixing, which causes pesticides to remain close to the ground and move laterally in a concentrated cloud. They are characterized by stable air and increasing temperatures with altitude and by little or no wind. They begin to form as the sun sets and cool air settles near the ground. Their presence can be indicated by mist or ground fog; however, if fog is not present, they can be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that

Number: 1 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 10:07:12 AM
Number: 2 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 11:50:34 AM
Number: 3 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 11:50:42 AM
Number: 4 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 11:50:50 AM
Number: 5 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 11:51:03 AM
Number: 6 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 11:51:13 AM
Number: 7 Author: mwahsh02	Subject: Sticky Note	Date: 8/23/2018 10:21:54 AM

provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guide.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient basis.

oz. of product per acre	lb. product per acre	lb. a.i. per acre
6	0.38	0.26
7	0.44	0.31
9	0.56	0.4
12	0.75	0.53
14	0.88	0.61
18	1.12	0.8
23	1.44	1.0
24	1.5	1.05
27	1.68	1.18
28	1.76	1.22
34.5	2.16	1.5
45	2.81	1.97
46	2.88	2.0
60	3.75	2.63
69	4.31	3.02
91	5.69	3.98
92	5.75	4.0

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water in the specific crop use directions. Fill the spray tank with approximately 1/2 of the desired carrier. With the agitation operating, add the specified amount of the formulation as in the crop use directions. Complete the filling process while maintaining agitation. Remove the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add any other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation while spraying. If the spray suspension is allowed to settle for a short period of time, be sure to resuspend for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products registered for the same crop and application techniques. For current information on tank mixtures, consult with the local dealer, distributor or State Agricultural Extension Service.

It is the pesticide user's responsibility to ensure that all products in the listed mixture are used in the intended use. Users must follow the most restrictive directions for use and precautions for each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test in a small container and mix all components in a small amount, usually 0.5 to 1 qt. of spray in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usually occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next

Page: 6

Number: 1 Author: mwash02 Subject: Sticky Note Date: 8/23/2018 10:04:09 AM
The 75 day letter sent to you indicated that this new product label should be virtually identical to the cited product label. Where is this Use Rate Equivalency Table found on the cited product label?

Number: 2 Author: mwash02 Subject: Sticky Note Date: 8/23/2018 11:52:55 AM
The cited product is divided into use of the product alone or with tank mixtures.

Number: 3 Author: mwash02 Subject: Sticky Note Date: 8/23/2018 11:54:59 AM
The formulation type is not identified on the cited product and should be removed.

Number: 4 Author: mwash02 Subject: Sticky Note Date: 8/23/2018 10:10:45 AM
This information is not virtually identical to the cited product. Revise accordingly.

Number: 5 Author: mwash02 Subject: Sticky Note Date: 8/23/2018 10:17:36 AM
This section is not virtually identical to the cited product.

follow with water miscible con-
additives, nonionic surfactants
be a homogeneous suspensio
of components. If any indicatio

SPRAY COVERAGE: All parts
not occur. Higher water volum
your local agricultural speciali
your region.

Crop

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears

Persimmon

Pistachios

Pome fruit Group 11-10 (e)

Pomegranates

Stone fruit Group 12

Tomato (Greenhouse)

Tree Nut Group 14

Tropical Crops; acerola, ate
chenmoya, custard apple, f
passion fruit, soursop, starf

Tropical Crops; black sapot
mango, papaya, sapodilia, :

Tropical Crops; longan, puli
Ornamentals (greenhouse :

Christmas trees

The use rate for this product is
Rate lb. /acre.

The pre-harvest interval (PHI)
and the harvesting of the crop

The application spray volume

Page: 7

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 10:18:42 AM
This use site index does not appear on the cited product. It is not appropriate to have this information on page 7 of the label as part of the Directions for Use

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:05:56 PM
Here and throughout the label, clarify that this rate is for this product.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:58:14 AM
Rephrase for clarity. See cited product for clear phraseology.

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:40:10 AM
Rephrase for clarity.

Number: 5 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:00:45 PM
Change this header to "Recommendations" in bold as seen on the cited product here and where it appears elsewhere on the label.

is (EC's) before adding drift control
's). After vigorous agitation, there must
observe for any rapid settling or floating
do not use this mixture for spraying.

ly coverage or else desired result may
rally provide better coverage. Consult
ates, timings, and spray volumes for

ite Index



Page

product per acre as Rate oz. /acre and

en the last application of this product

is of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 (0.31)	Apply a minimum spray solution of 15 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air. For best results

• Apply when population level reaches economic threshold.

 age is essential. Use a higher volume of better coverage especially under is, such as hot, dry weather and/or a

lb. a.i. per acre per year).


citrus hybrids (including chironja, lime; mandarin; orange, sour;

Application Instructions

spray solution of 500 gallons per acre

at water volume according to tree size. Average of the fruit, foliage, and wood is

initial control. Minimum water volume, trees must not be opened up, and it not exceed 1.5 miles per hour.

 spray solution of 5 gallons per acre by

• apply at early crawler emergence, scale, begin applications after complete hatch. Spring applications can provide

ion and minimize honeydew

ation. usion scale. Apply after complete hatch.

pests, apply at early crawler hatch.

volume of water to ensure thorough and leaf surfaces.



4.0 lb. a.i. per acre per year).

ini; citrus; citron; citrus hybrids; fruit; kumquat; lemon; lime; tuma mandarin; tangerine.

Application Instructions

Apply a minimum  spray solution of 250 gallons per acre by ground.  of 5 gallons per acre

Page: 8

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:01:24 AM
The Recommendations section seen on the cited product label are absent. See label deficiency identified in the 75-Day Letter.

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:31:58 PM
This should read "per growing season." here and throughout the label. SEE CITED PRODUCT.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:33:04 PM
per growing season

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:33:06 PM

 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:33:16 PM
per growing season

Number: 5 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:12:14 PM
Clarify that this is for this product here and throughout the label.

Number: 6 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:38:41 AM
Rephrase for clarity.

Number: 7 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 11:39:28 AM
Rephrase for clarity.

Number: 8 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:12:31 PM
Revised to "Recommendations"

Number: 9 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:34:05 PM
Follow comments above and incorporate the language "per growing season" in this section.

Number: 10 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:11:55 PM
Clarify that this is for this product.

Number: 11 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:10:45 PM
Clarify

Number: 12 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 12:10:53 PM
Clarify

Pest

Rate
oz./acre

Rate
lb./acre
(lb. a.i./acre)

soft scales
armored scales

34.5 – 46.0

2.16 – 2.88
(1.5 – 2.0)

leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75 (0.4 – 0.53)	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).			

Rate lb./acre (lb. ai/acre)	Application Instructions
1.5 (1.05)	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
ly product per acre per year (1.05 lb. a.i. per acre per year).	

Rate lb./acre (lb. ai/acre)	Application Instructions
2.16 - 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 110 up to 500 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>

Number: 1 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 4:50:39 PM Per the cited product, replace "per year" with "per growing season"	Number: 2 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 5:03:50 PM John - restore this language to the table above. Separating it from the primary Grape use directions may cause user confusion.	Number: 3 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:51:50 PM Clarify that this is the rate for this product	Number: 4 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:47:35 PM Rephrase for clarity.	Number: 5 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:47:48 PM Rephrase for clarity.	Number: 6 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:48:08 PM Change header per comments above.	Number: 7 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:50:23 PM Clarify that the statement following "black scale" related to black scale. Bold the text and/or consider using appropriate punctuation, or rephrase the statement	Number: 8 Author: mwahsh02 Subject: Sticky Note Date: 8/23/2018 12:50:41 PM Same comment as above for "other scales".
---	--	---	--	--	--	--	--

		Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.		

Pears (Group 11-10) pear; Asian pear

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:37:28 PM Per the cited product, replace "per year" with "per growing season" Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:54:04 PM Remove the "(Group 11-10) pear" as this does not appear on the cited product. Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:53:56 PM Clarify that this rate is for this product. Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:54:14 PM Rephrase as per comments above. Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:54:25 PM Rephrase as per comments above. Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:55:35 PM Change header as per comments above. Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:20 PM Clarify this statement. What are these instructions for? Number: 8 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:40 PM Clarify. Same as above. Number: 9 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:56:53 PM Clarify. Same as above. Number: 10 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:38:27 PM Per the cited product, replace "per year" with "per growing season" Number: 11 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:57:55 PM Clarify that this rate is for this product. Number: 12 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:58:30 PM Clarify as per comments above. Number: 13 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:58:43 PM Clarify this statement as per comments above. Number: 14 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:59:02 PM Change header as per comments above			4um spray solution of 80 gallons per nd. imum spray solution of 5 gallons per acre of 2nd instar pear psylla, apply pre- om or at petal fall. In-season, apply en smaller pear psylla nymphs are sent. Tank mix with adulticide for um control, ybugs or San Jose scale, apply pre- om or at first crawler emergence, er scale apply at early crawler ergence. sient volume of water to ensure verage of fruit and leaf surfaces. Adjust ed on size of the tree canopy. Use mes for dense canopies. ty may occur in Asian pear varieties but limited to applications made prior to (3.0 lb. a.i. per acre per year). For best results of

Persimmons

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	Apply minimum spray solution of 100 gallons per acre by ground Apply a minimum spray solution of 5 gallons per acre by air. For best results of

			<ul style="list-style-type: none"> mealybugs apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.


Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum spray solution of 5 gallons per acre.

Page: 12

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 12:59:56 PM Clarify by what this information relates to as mentioned in previous comments.	
Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:00:13 PM Clarify what this information relates to.	
Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:38:57 PM Per the cited, replace "per year" with "per growing season"	
Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:03:36 PM Clarify that this is for this product.	
Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:02:04 PM Clarify as per previous comments.	
Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:02:16 PM Clarify as per previous comments.	
Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:02:51 PM Change header to "Recommendations"	
Number: 8 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:02:38 PM Clarify - what are these recommendations for?	
Number: 9 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:39:44 PM Per the cited, replace the "per year" with "per growing season".	
Number: 10 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:04:53 PM Clarify that this rate is for this product.	
Number: 11 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:05:08 PM Clarify as seen in previous comments.	
Number: 12 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:05:24 PM Clarify as seen in previous comments.	

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12.0 - 34.5	0.75 - 2.16 (0.53 - 1.5)	Apply a minimum spray solution of 50 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.

age: 13

For best results of  1

- brown soft scale, apply at dormant timing or at summer, ant, delayed on at early

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:06:38 PM

Change header to recommendations and clarify the recommendations to identify what pest(s) is references. See previous comments.

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:40:20 PM

Per the cited product, replace "per year" with "per growing season"

Number: 3 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:07:40 PM

Remove the "-12". This does not appear on the cited product.

Number: 4 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:16:47 PM

For this product.

Number: 5 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:15:09 PM

Clarify per previous comments.

Number: 6 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:15:20 PM

Clarify per previous comments.

Number: 7 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:14:53 PM

Change to recommendations.


Number: 8 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:15:59 PM




Clarify what these recommendations are for.

Number: 9 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 4:40:48 PM

Per the cited product, replace "per year" with "per growing season"

Pre-harvest interval (PHI) is 14 days.

Stone Fruits (Crop Group 12-12)  3 apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate lb./ac  4 (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 (1.5)	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of  7</p> <ul style="list-style-type: none"> •  8 Use scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence, • other scales, apply at early crawler emergence, • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>

Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 14 days.

Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts (black and English) and pistachios.

Pest	Rate oz./acre	Rate lb./a. (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre-bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, other scales, apply at early crawler emergence. mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p>

ar.
t per acre per year (2.0 lb. a.i. per acre per year).

Rate oz./acre (lb. ai/acre)	Application Instructions
56 (.4)	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results,</p> <ul style="list-style-type: none"> apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details. <p>Good coverage is essential.</p>
0.56 - 0.4)	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>

Restrictions:

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:17:47 PM
Clarify that this rate is for this product.

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:17:15 PM
Clarify as per comments above.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:17:31 PM
Clarify as per comments above.

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:18:06 PM
Change header to "Recommendations"

Number: 5 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:18:45 PM
Clarify what these restrictions are for. See cited product presentation of this information.

Number: 6 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 4:41:15 PM
Per the cited product, replace "per year" with "per growing season"

Number: 7 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:24:03 PM
Clarify. Rephrase to "Greenhouse Tomatoes" or "Tomatoes (Greenhouses Only)" or similar clear language so as to help prevent misuse.

Number: 8 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:22:23 PM
Clarify that this is for this product.

Number: 9 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:21:44 PM
Change header.

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 - 0.75 (0.4 - 0.53)	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year The minimum spray interval is 14 days.			

Page: 15

3.0 lb. a.i. per acre per year).

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:27:34 PM
Clarify that this rate is for this product.

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:28:15 PM
Clarify as per comments above.

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:28:34 PM
Change header to "Recommendations"

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 5:07:48 PM
In this section replace "per year" with "per growing season"

Number: 5 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:29:21 PM
Clarify this restriction.

Number: 6 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:31:59 PM
Clarify that this rate is for this product.

Number: 7 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:31:12 PM
Clarify

Number: 8 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:31:21 PM
Clarify.

Number: 9 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:31:45 PM
Change header to "Recommendations"

Number: 10 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 5:09:32 PM
Per the cited, replace "per year" with "per growing season"

Number: 11 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:33:36 PM
Clarify that this rate is for this product.

Number: 12 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:33:13 PM
Clarify

Number: 13 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:33:22 PM
Clarify

, papaya, sapodilla, star apple.

Application Instructions

Apply a minimum spray solution of 20 gallons per acre

minimum spray solution of 5 gallons per acre by

For best results of
mealybugs and scales, apply at early crawler
emergence for best control.

3.0 lb. a.i. per acre per year).

Application Instructions

scales	34.5	2.16 (1.5)	Apply a minimum spray solution of 75 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre
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		by air.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.		

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acr (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
		0.88 (0.61)	For optimum control of <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
		0.38 (0.26)	Good spray coverage is essential. If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin. Consult local and state agricultural authorities for specific details.
			per growing cycle product per acre per growing cycle (1.22 lb. a.i. per acre per

Page: 16

Number: 1 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 5:10:52 PM
Per the cited product, replace "per year" with "per growing season"

Number: 2 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:37:41 PM
Clarify that this rate is for this product

Number: 3 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:36:42 PM
Change header to "Recommendations"

Number: 4 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:36:08 PM
Clarify the presentation of this information.

Number: 5 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 5:15:19 PM
Per the cited, replace the word "cycle" with "season".

Number: 6 Author: mwals02 Subject: Sticky Note Date: 8/23/2018 1:35:29 PM
This does not look right. Check the math and the cited product.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

Page: 17

Number: 1 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:40:11 PM

Please note that the agency is trying to get away from burning of containers. With that in mind, please change the last sentence to read "Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities."

Number: 2 Author: mwalsh02 Subject: Sticky Note Date: 8/23/2018 1:42:45 PM

Please replace this sentence with the sentence in the in the comment above, and delete "If burned, stay out of smoke." The rest of the language seems appropriate.

is authorized to make any warranties beyond those contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

Walsh, Michael

From: John Wright <jwrightch@comcast.net>
Sent: Monday, July 02, 2018 3:03 PM
To: Walsh, Michael
Subject: RE: 2749-LIT. Decision #: 540519. Agency Letter.
Attachments: 002749-00LIT.20180701.Buprfezin70WDG IGR Proposed.pdf; 8570-27 Buprofezin 70WDG 1Jul18.pdf; Buprofezin 70WDG IGR CSF Basic 1Jul18.pdf

Dear Mr. Walsh:

In response to the attached EPA letter, I have made the corrections requested to the Confidential Statement of Formula.

In addition, the Formulator's Exemption form was updated to reflect the proper name on the source active ingredient and reflect the change in date of the revised CSF.

The subject label was also upgraded to reflect the recent changes on the cited label dated 5/24/18.

Please let me know if you need anything else here.

Also, I would appreciate an acknowledgement that you received this response.

Thank you.

John F. Wright

From: Walsh, Michael <Walsh.Michael@epa.gov>
Sent: Friday, June 29, 2018 7:46 AM
To: John Wright <jwrightch@comcast.net>
Subject: 2749-LIT. Decision #: 540519. Agency Letter.

Dear Mr. Wright:

Attached please find a deficiency letter for 2749-LIT. The current PRIA Due Date for your action is 9/10/2018. The CSF and label for this action are not acceptable.

The label for your product needs be virtually identical to the product being repacked. Revise the label accordingly. When revising the label, please include the information in PR Notice 2017-1. It appears you have included some of the language from PR Notice 2017-1. Was there a reason that you did not include all of the language in the PR Notice? Is that language was not appropriate for this product? Please note that the CSF also needs to be revised. Please see the attached letter.

The agency cannot guarantee the security of information sent via email, so please let me know how you plan to submit the revised documents. Because the attached letter includes references to the CSF, the document has been encrypted and password protection. I will send the password in a separate email. Please let me know if you have any trouble opening the attachment.

Thank you for your prompt attention to this matter.

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

AUGUST 23, 2018
VIA EMAIL

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. John Wright, Agent
Aceto Agricultural Chemicals Corporation
c/o Product & Regulatory Associates, LLC
8595 Collier Boulevard, Suite 107-51
Naples, FL 34114

Dear Mr. Wright:

The Agency has completed its review and assessment of your application pursuant to Section 33(b)(3) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended by the Pesticide Registration Improvement Extension Act of 2012. The Agency has made a pre-decisional determination that your application cannot be approved unless revisions are made to the label. The necessary label changes are specified on the attached label.

Since there is limited time before the PRIA Decision Due Date expires, it is important to discuss any objections you have to these changes immediately and whether you will need to submit additional data for review. If these discussions determine that submitting data will be necessary, the PRIA decision due date may need to be renegotiated to allow sufficient time to address and resolve such differences. If the PRIA Decision Due Date is not renegotiated, and the label issues are not resolved before the PRIA Decision Due Date, the Agency will send a follow-up letter that will represent the Agency's decision to close out the PRIA decision review time. The follow-up letter will provide the following three options for continuing the review of the application:

- (a) Applicant agrees to all of the terms associated with the draft accepted label as revised by the Agency and requests that it be issued as the accepted final Agency-stamped label; or
- (b) Applicant does not agree to one or more of the terms of the draft accepted label as revised by the Agency and requests additional time to resolve the difference(s); or
- (c) Applicant withdraws the application without prejudice for subsequent resubmission, but forfeits the associated registration service fee.

If the applicant informs EPA that it has concerns as described under (b) above, the applicant will have up to 30 calendar days from the date of that follow-up letter to reach agreement with the Agency on the final version of the label that the Agency will accept. If an agreement cannot be reached within those 30 days, EPA would intend to proceed with denial of the application.

If the applicant agrees to all of the terms of the accepted label as described in (a) above, or if the applicant and EPA resolve any differences as described in (b), the applicant must submit a revised label to EPA. EPA will then provide an accepted final Agency stamped label to the applicant within 2 business days following the applicant's written electronic confirmation of agreement to the Agency including the revised label to be stamped.

EPA File Symbol: 2749-LIT
Decision Number: 540519

If you have any questions, please contact me at walsh.michael@epa.gov or by phone at (703) 308-2972. .

Sincerely,



Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs

Attachments

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruits, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruits, Tomatoes (greenhouse) Tree Nuts, Tropical Crops, Ornamentals (greenhouse and outdoor) and Christmas Trees.

% BY WT

ACTIVE INGREDIENT:

Buprofezin: 2-*tert*-butylimino-3-isopropyl-5-phenyl-1,3,5-thiazinan-4-one.....70.0%

OTHER INGREDIENTS:.....30.0%

Total 100.0%

EPA Reg. No. 2749-LIT
EPA Est. No.

Net Contents:

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.</p> <p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

STATEMENTS FOR CONTAMINATED PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to ensure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

Not for Sale, Sale into, Distribution, and/or Use in Nassau and Suffolk Counties of New York State.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: apple mealybug, citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, madeira mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax

scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale, walnut scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Not for use in residential greenhouses.

Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Instruction section.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT

For resistance management, this product contains a Group 16 insecticide. Any insecticide population may contain individuals naturally resistant to this product and other Group 16 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of this product or other Group 16 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

- Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Aceto representatives at 516-627-6000.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that

provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. product per acre	lb. a.i. per acre
6	0.38	0.26
7	0.44	0.31
9	0.56	0.4
12	0.75	0.53
14	0.88	0.61
18	1.12	0.8
23	1.44	1.0
24	1.5	1.05
27	1.68	1.18
28	1.76	1.22
34.5	2.16	1.5
45	2.81	1.97
46	2.88	2.0
60	3.75	2.63
69	4.31	3.02
91	5.69	3.98
92	5.75	4.0

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next

follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop	Page
Bananas	
Coffee	
Citrus fruit Group 10	
Citrus fruit Group 10 FL/TX	
Grapes	
Olives	
Pears, Asian pears	
Persimmon	
Pistachios	
Pome fruit Group 11-10 (except pears, Asian pears)	
Pomegranates	
Stone fruit Group 12	
Tomato (Greenhouse)	
Tree Nut Group 14	
Tropical Crops; acerola, atemoya, avocado, binda, chenmoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu	
Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple	
Tropical Crops; longan, pulasan, rambutan, Spanish lime	
Ornamentals (greenhouse and outdoor)	
Christmas trees	

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.44 (0.31)	Apply a minimum spray solution of 15 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air. For best results:

		<ul style="list-style-type: none"> • Apply when population level reaches economic threshold. <p>Good spray coverage is essential. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.		

Citrus Fruits (Crop Group 10) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs wax scale	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 500 gallons per acre by ground. Apply with sufficient water volume according to tree size. Thorough spray coverage of the fruit, foliage, and wood is essential for optimal control. When using the minimum water volume, trees must not exceed 10 feet tall, tree canopy must be opened up, and tractor speed must not exceed 1.5 miles per hour. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of:</p> <ul style="list-style-type: none"> • red scale, apply at early crawler emergence, • citricola scale, begin applications after complete crawler hatch. Spring applications can provide suppression and minimize honeydew accumulation; • cottony cushion scale. Apply after complete crawler hatch. • all other pests, apply at early crawler hatch. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citrus; citron; citrus hybrids (including chironja, tangelo, tangor); clementine; grapefruit; kumquat; lemon; lime; mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tangerine.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
soft scales armored scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 250 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre</p>

			<p>by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>
<p>Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.</p>			

Coffee

Pest	Rate oz./acre	Rate lb./acre lb. ai/acre)	Application Instructions
mealybugs scales	23.0	1.44 (1.0)	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of:</p> <ul style="list-style-type: none"> Apply when population level reaches economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 91.0 oz. of this product per acre per year (4.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.</p>			

Grapes

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
European fruit lecanium scale	12.0	0.75 (.53)	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> leafhoppers, apply when majority of the population is at early nymphal stage, mealybugs, begin applications at early crawler emergence.

leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75 (0.4 – 0.53)	Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will ensure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 7 days.			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs	24.0	1.5 (1.05)	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Limited to Arizona and California Only Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 30 days.			

Olives

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	34.5 – 46.0	2.16 - 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 110 up to 500 gallons per acre by ground.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>

			Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10) pear; Asian pear

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.16 - 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 80 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> • 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present. Tank mix with adjuvant for optimum control, • mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, • other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy. Use higher volumes for dense canopies.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 7 days. Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Persimmons

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.5	2.16 (1.5)	<p>Apply a minimum spray solution of 100 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p>

			<ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10) except pear and Asian pear (see separate directions for pear and Asian pear) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential</p>
mealybugs scales	34.5	2.16 (1.5)	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
Restrictions: Do not apply more than 1 application per year. Do not use more than 34.5 oz. of this product per acre per year (1.5 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Pomegranates

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
whiteflies	12.0– 34.5	0.75 – 2.16 (0.53 – 1.5)	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>Apply a minimum spray solution of 5 gallons per acre by air.</p>

			<p>For best results of</p> <ul style="list-style-type: none"> • brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer; • San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, • whiteflies, apply at early nymph threshold, • other scales, apply at early crawler emergence, • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p>
mealybugs scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.</p>			

Stone Fruits (Crop Group 12-12) apricot, sweet cherry, tart cherry, nectarines, peach, plum, chickasaw plum, damson plum, Japanese plum, plumcot, prunes (fresh).

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5	2.16 (1.5)	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence, • other scales, apply at early crawler emergence, • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
mealybugs scales	34.5 – 46.0	2.16 – 2.88 (1.5 – 2.0)	<p>Apply a minimum spray solution of 100 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air.</p> <p>For best results of</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>

Restrictions:

Do not apply more than 1 application per year.

Do not use more than 46.0 oz. of this product per acre per year (2.0 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 60 days.

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56 (0.4)	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results,</p> <ul style="list-style-type: none"> • apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details. <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56 (0.26 – 0.4)	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>

Restrictions:

Do not apply more than 2 applications per growing cycle.

The minimum spray interval is 5 days.

Do not use more than 18.0 oz. of this product per acre per growing cycle (0.8 lb. a.i. per acre) per growing cycle.

Pre-Harvest Interval (PHI) is 1 day.

Tropical Crops; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.156 (1.5)	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical Crops; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75 (0.4 – 0.53)	Apply a minimum spray solution of 20 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre by air. For best results of <ul style="list-style-type: none">mealybugs and scales, apply at early crawler emergence for best control.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per year. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Tropical Crops; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
scales	34.5	2.16 (1.5)	Apply a minimum spray solution of 75 gallons per acre by ground. Apply a minimum spray solution of 5 gallons per acre

			by air.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.0 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre (lb. ai/acre)	Application Instructions
leafhoppers mealybugs planthoppers	12.0	0.75 (0.53)	For best results, apply when population level reaches economic threshold. Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Spray to point of runoff. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
scales	14.0	0.88 (0.61)	For optimum control of <ul style="list-style-type: none"> • whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. • scales, apply at early crawler emergence. • mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.38 (0.26)	Good spray coverage is essential. If additional insecticide applications are required for control, use another class of chemistry or a different Insect Growth Regulator (IGR) with a different mode of action before making subsequent applications of buprofezin. Consult local and state agricultural authorities for specific details.
Restrictions: Do not apply more than 2 applications per growing cycle. Do not use more than 28.0 oz. of this product per acre per growing cycle (1.22 lb. a.i. per acre per growing cycle).			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Walsh, Michael

From: Walsh, Michael
Sent: Friday, June 29, 2018 7:46 AM
To: 'John Wright'
Subject: 2749-LIT. Decision #: 540519. Agency Letter.
Attachments: 2749-LIT 75 day letter 20180629 PWP.pdf

Dear Mr. Wright:

Attached please find a deficiency letter for 2749-LIT. The current PRIA Due Date for your action is 9/10/2018. The CSF and label for this action are not acceptable.

The label for your product needs be virtually identical to the product being repacked. Revise the label accordingly. When revising the label, please include the information in PR Notice 2017-1. It appears you have included some of the language from PR Notice 2017-1. Was there a reason that you did not include all of the language in the PR Notice? Is that language was not appropriate for this product? Please note that the CSF also needs to be revised. Please see the attached letter.

The agency cannot guarantee the security of information sent via email, so please let me know how you plan to submit the revised documents. Because the attached letter includes references to the CSF, the document has been encrypted and password protection. I will send the password in a separate email. Please let me know if you have any trouble opening the attachment.

Thank you for your prompt attention to this matter.

Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs
U.S. EPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

E-MAILED

June 29, 2018

OPP Decision Number: 540519

Mr. John F. Wright, Agent
Aceto Agricultural Chemicals Corporation
c/o Product & Regulatory Associates, LLC
8595 Collier Boulevard, Suite 107-51
Naples, FL 34114

Subject: Application Deficiency – Confidential Statement of Formula & Labeling
Product Name: Buprofezin 70WDG IGR
EPA Registration Number: 2749-LIT
Application Date: April 16, 2018
EPA Receipt Date: April 17, 2018

Dear Mr. Wright:

The Agency has received and begun its in-depth review of the subject application and has determined that it is incomplete or that further information is needed. This letter is a written notification of those deficiencies and identifies your options under 40 CFR 152.105. Please ensure that you consider each of the options below in determining how and when you respond to this letter.

Pursuant to 40 CFR 152.105, you are allowed 75 days from the date of this letter to provide a response concerning the deficiencies listed in this letter. Your response may include making corrections or additions to complete the application, or notifying the Agency of the date on which you expect to complete the application, or withdrawing your application. If you do not respond to this letter within 75 days or if you respond with a date on which you expect to complete the application but fail to meet that scheduled date, the Agency will treat the application as if you had withdrawn it. Withdrawal concludes the Agency's review of your application. Any subsequent submission of the same application must then be submitted as a new application with a new deadline for EPA to make a determination on your application and subject to a new registration service fee.

The deficiencies identified in the Agency's review at this time are:

Confidential Statement of Formula

- The name of the source product is not accurate and must be corrected.
- Remove the information in column 14a, 14b, and 15.
- The revised CSF should also clearly state that the formulation is a 100% repack.
- Note: The CSF must be signed and bear the current date.

SEE NEXT PAGE

Labeling

- This new product application is for a 100% repack. This means that product label must be virtually identical to the cited product label. Please revise the label accordingly.

Further review of your application and your response to the deficiencies may identify additional deficiencies and you will be so informed.

Please respond to this letter within 75 days of the stamped date by contacting me at (703)308-2972 or by email at walsh.michael@epa.gov. You may also contact Debra Rate at (703)306-0309 or by email rate.debra@epa.gov with a response and for any questions concerning this letter. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,



Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs

Please read instructions on reverse before completing form.

Form Approved MB No. 2070-0080, Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☒ Registration
☐ Amendment
☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 2749-XXX	2. EPA Product Manager Michael Walsh	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Buprofezin 70WDG IGR	PM# 11	
5. Name and Address of Applicant (Include ZIP Code) Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NY 11052 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. [REDACTED] Product Name [REDACTED]	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application for Pesticide Registration of New Product, PRIA Category R300 New End Use, 100% Repackage of registered product.
PRIA Fee \$1,582.00.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input checked="" type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 5, 10, 20 lb		5. Location of Label Directions <input checked="" type="checkbox"/> On container	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other poly coated paper glued on			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name John F. Wright	Title Authorized Representative Aceto	Telephone No. (Include Area Code) 609.841.8268
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 117
2. Signature 	3. Title Authorized Representative Aceto Agricultural Chemicals Corp	
4. Typed Name John F. Wright	5. Date 4/16/18	

Product & Regulatory Associates, L.L.C.

April 16, 2018

Mr. Michael Walsh (PM-11)
Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Buprofezin 70WDG IGR
EPA File Symbol 2749-XXX
Application for Pesticide Registration of New Product

PRIA Category: R300, New Product, 100% Re-package of a registered product.

PRIA Milestone Tracking E-mail Notification: jwrightch@comcast.net

Dear Mr. Walsh:

Aceto Agricultural Chemicals Corporation (Aceto) is submitting an application for pesticide registration of a new end use product.

This product is 100% re-package of [REDACTED]
[REDACTED] as described on the basic Confidential Statement of Formula (CSF).

The use sites and application rates are identical to those found on [REDACTED]
[REDACTED]

The PRIA Category is R300 with a PRIA Fee is \$1582.00.

To complete this new product registration application, enclosed please find:

- Cover letter
- Application for Pesticide Registration (EPA Form 8750-1)
- PRIA Confirmation of Payment (26919IA4) (2 Copies)
- Authorized Representative Letter
- Confidential Statement of Formula Basic (EPA Form 8750-4) (2 Copies)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Copies of proposed label (5 copies)

8595 Collier Blvd.

Suite 107-51
Telephone: 609.841.8288

Naples, FL 34114

April 16, 2018

Page 2 of 2

I trust that this information will assist the Agency in its efforts to complete this registration application. If you have any question in regard to this mater, feel free to contact me at (609) 841-8288 or JWrightCH@comcast.net.

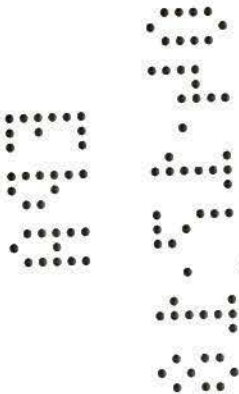
Sincerely,



John F. Wright

Authorized Representative of Aceto Agricultural Chemicals Corporation

cc: Terry Kippley, Aceto



8595 Collier Blvd.

Suite 107-51
Telephone: 609.841.8288

Naples, FL 34114



**ACETO AGRICULTURAL
CHEMICALS CORPORATION**

4 Tri Harbor Court
Port Washington, NY 11050-4661
Tel: (516) 627 6000
Fax: (516) 627 6093
www.aceto.com

Date November 4, 2015

To Whom It May Concern:

Subject: Authorized Representative for Aceto Agriculture Chemicals Corporation
EPA Company No. 2749

Aceto Agricultural Chemicals Corporation appoints

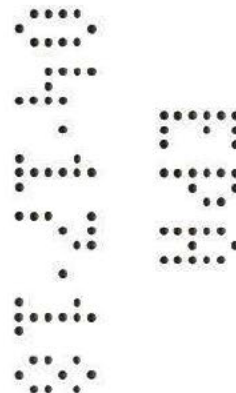
John F. Wright
Product & Regulatory Associates, LLC
8595 Collier Blvd.
Suite 107-51
Naples, FL 34114

as an authorized representative for our interactions with the EPA and State Regulatory Lead Agencies on pesticide regulatory matters. **The Agent assignment does not apply to any other legal actions for Aceto Agricultural Chemicals Corporation.** Those action items should remain the same. **Also, this does not alter the existing contact address for Aceto Agricultural Chemicals Corporation.**

If you need additional information or have any questions, feel free to contact me.

Sincerely,

Terry Kippley
President
Aceto Agricultural Chemicals Corporation





United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

Applicant's Name and Address Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NJ 11050	EPA File Symbol/Registration Number 2749-LIT
	Product Name Buprofezin 70WDG IGR
	Date of Confidential Statement of Formula (EPA Form 8570-4) 07/01/2018

As an authorized representative of the applicant for registration of the product identified above, I certify that:

- (1) This product contains the following active ingredient(s):

buprofezin

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).



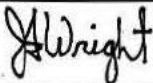
- (3) Indicate by checking (A) or (B) below which paragraph applies:

- ☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- ☐ (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

- (4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
buprofezin		
Signature 	Name and Title John F. Wright Authorized Rep.	Date 07/01/2018

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 - EPA
Copy 2 - Applicant copy



United States
Environmental Protection Agency
Washington, DC 20460
Formulator's Exemption Statement
(40 CFR 152.85)

Applicant's Name and Address Aceto Agricultural Chemicals Corporation 4 Tri Harbor Court Port Washington, NJ 11050	EPA File Symbol/Registration Number 2749-XXX
	Product Name Buprofezin 70WDG IGR
	Date of Confidential Statement of Formula (EPA Form 8570-4) 04/16/2018

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

buprofezin

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient, which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source		
Active Ingredient	Product Name	Registration Number
buprofezin	[REDACTED]	[REDACTED]
Signature 	Name and Title John F. Wright Authorized Rep.	Date 04/16/2018

EPA Form 8570-27 (Rev. 06-2004)

Copy 1 - EPA
Copy 2 - Applicant copy

SUPERSEDED BY 7/1/18
SUBMISSION W/ CORRECTED PRODUCT
NAME FOR [REDACTED]

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

ACTIVE INGREDIENT: buprofezin.....	% BY WT70.0%
OTHER INGREDIENTS:30.0%
	Total 100.0%

EPA Reg. No. 2749-XXX

Net Contents:

EPA Est. No.

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887. NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. a.i. per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

24	1.05
27	1.18
28	1.23
34.5	1.51
45	1.97
46	2.01
60	2.63
69	3.02
91	3.98
92	4.03

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

Page

Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears
 Persimmon
 Pistachios
 Pome fruit Group 11-10 (except pears, Asian pears)
 Pomegranates
 Stone fruit Group 12
 Tomato (Greenhouse)
 Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya,
 custard apple, feijoa, guava, ilama, jaboticaba, passion fruit,
 soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango,
 papaya, sapodilla, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground. For best results of: <ul style="list-style-type: none"> red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

			<p>suppression and minimize honeydew accumulation,</p> <ul style="list-style-type: none"> Cottony cushion scale. Apply after July 1st. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
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Restrictions:

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	<p>Apply a minimum spray solution of 250 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>

Restrictions:

Limited to Florida and Texas Only

Do not apply more than 2 applications per year.

The minimum spray interval is 60 days.

Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 3 days.

Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of:</p> <ul style="list-style-type: none"> mealybugs and scales, apply when populations reach economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>

Restrictions:

Do not apply more than 4 applications per year.

The minimum spray interval is 14 days.

Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 0 day.

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> leafhoppers, apply when majority of the population is at early nymphal stage, mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75	<p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 110 to 500 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, Other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10 pear; Asian pear)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 80 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adjuvant for optimum control, mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions:			

Do not apply more than 2 applications per year.
The minimum spray interval is 7 days.
Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).
Pre-Harvest Interval (PHI) is 14days.

Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.50	2.156	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre-bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
mealybugs scales	34.5	2.156	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p>			

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	Apply a minimum spray solution of 50 gallons per acre by ground. For best results of <ul style="list-style-type: none">Brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer,San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,whiteflies, apply at early nymph threshold,other scales, apply at early crawler emergence,mealybugs, apply when early crawler emergence occurs. Good spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground. For best results of <ul style="list-style-type: none">San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,other scales, apply at early crawler emergence,mealybugs, apply when early crawler emergence occurs.

			<p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 1 application per year.</p> <p>Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the</p>

		spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle). Pre-Harvest Interval (PHI) is 1 day.		

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">mealybugs and scales, apply at early crawler emergence for best control.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per year. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
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scales	34.5	2.156	<p>Apply a minimum spray solution of 75 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scales, apply at early crawler emergence for best control. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>
scales	14.0	0.875	<p>For optimum control of</p> <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.375	<p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing cycle.</p> <p>Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).</p>			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

ACTIVE INGREDIENT: buprofezin.....	% BY WT 70.0%
OTHER INGREDIENTS:	30.0%
	Total 100.0%

EPA Reg. No. 2749-XXX
EPA Est. No.

Net Contents:

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887. NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium, scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. a.i. per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

24	1.05
27	1.18
28	1.23
34.5	1.51
45	1.97
46	2.01
60	2.63
69	3.02
91	3.98
92	4.03

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately $\frac{1}{2}$ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop	Page
Bananas	
Coffee	
Citrus fruit Group 10	
Citrus fruit Group 10 FL/TX	
Grapes	
Olives	

Pears, Asian pears
 Persimmon
 Pistachios
 Pome fruit Group 11-10 (except pears, Asian pears)
 Pomegranates
 Stone fruit Group 12
 Tomato (Greenhouse)
 Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya,
 custard apple, feijoa, guava, ilama, jaboticaba, passion fruit,
 soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango,
 papaya, sapodilla, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground. For best results of: <ul style="list-style-type: none"> red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

			<p>suppression and minimize honeydew accumulation,</p> <ul style="list-style-type: none"> • Cottony cushion scale. Apply after July 1st. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	<p>Apply a minimum spray solution of 250 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> • scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>
Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of:</p> <ul style="list-style-type: none"> • mealybugs and scales, apply when populations reach economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.			

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage, • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75	<p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 110 to 500 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, Other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10 pear; Asian pear)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 80 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adulticide for optimum control, mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions:			

Do not apply more than 2 applications per year.
The minimum spray interval is 7 days.
Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).
Pre-Harvest Interval (PHI) is 14days.

Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.50	2.156	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 – 0.75	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
mealybugs scales	34.5	2.156	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p>			

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> Brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer, San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, whiteflies, apply at early nymph threshold, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p>
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs.

			<p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, other scales, apply at early crawler emergence. mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 1 application per year.</p> <p>Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the</p>

		spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle). Pre-Harvest Interval (PHI) is 1 day.		

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

citrus, guava, passion fruit, sour sop, starfruit, sugar apple and wax jambu.			
Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">mealybugs and scales, apply at early crawler emergence for best control.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per year. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
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scales	34.5	2.156	<p>Apply a minimum spray solution of 75 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scales, apply at early crawler emergence for best control. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>
scales	14.0	0.875	<p>For optimum control of</p> <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.375	<p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing cycle.</p> <p>Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).</p>			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

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[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

	% BY WT
ACTIVE INGREDIENT: buprofezin.....	70.0%
OTHER INGREDIENTS:.....	30.0%
Total	100.0%

EPA Reg. No. 2749-XXX
EPA Est. No.

Net Contents:

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
<p>Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.</p> <p>NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p>	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium, scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. a.i. per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

24	1.05
27	1.18
28	1.23
34.5	1.51
45	1.97
46	2.01
60	2.63
69	3.02
91	3.98
92	4.03

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately $\frac{1}{2}$ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

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Citrus fruit Group 10	
Citrus fruit Group 10 FL/TX	
Grapes	
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Pears, Asian pears
 Persimmon
 Pistachios
 Pome fruit Group 11-10 (except pears, Asian pears)
 Pomegranates
 Stone fruit Group 12
 Tomato (Greenhouse)
 Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya,
 custard apple, feijoa, guava, ilama, jaboticaba, passion fruit,
 soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango,
 papaya, sapodilla, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground. For best results of: <ul style="list-style-type: none"> red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

			<p>suppression and minimize honeydew accumulation,</p> <ul style="list-style-type: none"> • Cottony cushion scale. Apply after July 1st. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	<p>Apply a minimum spray solution of 250 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> • scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>
Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of:</p> <ul style="list-style-type: none"> • mealybugs and scales, apply when populations reach economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.			

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage, • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75	<p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy. Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 110 to 500 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, Other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10 pear; Asian pear)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 80 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adjuvant for optimum control, mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions:			

Do not apply more than 2 applications per year.
The minimum spray interval is 7 days.
Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).
Pre-Harvest Interval (PHI) is 14days.

Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.50	2.156	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
mealybugs scales	34.5	2.156	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
Restrictions:			

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> Brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer, San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, whiteflies, apply at early nymph threshold, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p>
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs.

			<p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, other scales, apply at early crawler emergence. mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 1 application per year.</p> <p>Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the</p>

			spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle). Pre-Harvest Interval (PHI) is 1 day.			

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">mealybugs and scales, apply at early crawler emergence for best control.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per year. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
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scales	34.5	2.156	<p>Apply a minimum spray solution of 75 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scales, apply at early crawler emergence for best control. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>
scales	14.0	0.875	<p>For optimum control of</p> <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.375	<p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing cycle.</p> <p>Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).</p>			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

	% BY WT
ACTIVE INGREDIENT: buprofezin.....	70.0%
OTHER INGREDIENTS:	30.0%
Total	100.0%

EPA Reg. No. 2749-XXX

EPA Est. No:

Net Contents:

Manufactured for:

Aceto Agricultural Chemicals Corporation

4 Tri Harbor Court

Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], [Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887. NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. a.i. per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

24	1.05
27	1.18
28	1.23
34.5	1.51
45	1.97
46	2.01
60	2.63
69	3.02
91	3.98
92	4.03

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately ½ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble bags (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop

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Bananas

Coffee

Citrus fruit Group 10

Citrus fruit Group 10 FL/TX

Grapes

Olives

Pears, Asian pears
 Persimmon
 Pistachios
 Pome fruit Group 11-10 (except pears, Asian pears)
 Pomegranates
 Stone fruit Group 12
 Tomato (Greenhouse)
 Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya,
 custard apple, feijoa, guava, ilama, jaboticaba, passion fruit,
 soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango,
 papaya, sapodilla, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground. For best results of: <ul style="list-style-type: none"> red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

			<p>suppression and minimize honeydew accumulation,</p> <ul style="list-style-type: none"> Cottony cushion scale. Apply after July 1st. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	<p>Apply a minimum spray solution of 250 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>
Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of:</p> <ul style="list-style-type: none"> mealybugs and scales, apply when populations reach economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.			

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage, • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75	<p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 110 to 500 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, Other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10 pear; Asian pear)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 80 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adulticide for optimum control, mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions:			

Do not apply more than 2 applications per year.
The minimum spray interval is 7 days.
Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).
Pre-Harvest Interval (PHI) is 14days.

Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.50	2.156	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
mealybugs scales	34.5	2.156	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p>			

Do not apply more than 1 application per year.

Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year).

Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	Apply a minimum spray solution of 50 gallons per acre by ground. For best results of <ul style="list-style-type: none">Brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer,San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence,whiteflies, apply at early nymph threshold,other scales, apply at early crawler emergence,mealybugs, apply when early crawler emergence occurs. Good spray coverage is essential.
mealybugs scales	34.5 – 46.0	2.156 – 2.875	Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	Apply a minimum spray solution of 50 gallons per acre by ground. For best results of <ul style="list-style-type: none">San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence,other scales, apply at early crawler emergence,mealybugs, apply when early crawler emergence occurs.

		<p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>		

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> • San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, • other scales, apply at early crawler emergence. • mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 1 application per year.</p> <p>Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the</p>

			spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle). Pre-Harvest Interval (PHI) is 1 day.			

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	<p>Apply a minimum spray solution of 20 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 – 0.75	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilla, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75	<p>Apply a minimum spray solution of 20 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs and scales, apply at early crawler emergence for best control.
<p>Restrictions:</p> <p>Limited to Florida, Hawaii and Puerto</p> <p>Do not apply more than 5 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 3 days.</p>			

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
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scales	34.5	2.156	<p>Apply a minimum spray solution of 75 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scales, apply at early crawler emergence for best control. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>
scales	14.0	0.875	<p>For optimum control of</p> <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.375	<p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing cycle.</p> <p>Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).</p>			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Buprofezin 70WDG IGR

Insect Growth Regulator for use on Bananas, Coffee, Citrus Fruit, Grapes, Olives, Pears, Asian Pears, Persimmon, Pistachios, Pome Fruit, Pomegranates, Stone Fruit, Tomatoes (greenhouse) Tree Nuts, Tropical Plants, Ornamentals (greenhouse and outdoor) and Christmas Trees.

	% BY WT
ACTIVE INGREDIENT: buprofezin.....	70.0%
OTHER INGREDIENTS:.....	30.0%
Total	100.0%

EPA Reg. No. 2749-XXX
EPA Est. No.

Net Contents:

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid], Precautionary Statements] [and] [Directions for use]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor.
Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR EMERGENCY MEDICAL HELP, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887. NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Socks and chemical-resistant footwear

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including golf courses and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is an insect growth regulator effective against the nymphal stages of whitefly, scales, psylla, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, suppressing oviposition of adults, and reducing viability of eggs. This product is not an adulticide. Evidence of activity may be slower than typical contact insecticides as treated susceptible pests may remain alive on the plant for 3-7 days; however, pests have stopped feeding and any feeding damage during this time is typically very low.

This product is not disruptive to beneficial insects and mites.

This product is a contact insecticide which requires good uniform through coverage of foliage and fruit to be effective. Use by ground or air in sufficient water volume to obtain through coverage specially to stems and underside of foliage. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated. Apply when economic infestations occur based on local information.

INSECTS CONTROLLED

whiteflies: ash whitefly, banded winged whitefly, greenhouse whitefly, silverleaf whitefly, sweet potato whitefly

mealybugs: citrus mealybug, comstock mealybug, Gill's mealybug, grape mealybug, longtailed mealybug, Mexican mealybug, obscure mealybug, striped mealybug, vine mealybug

leafhoppers and planthoppers: brown planthopper, cherry leafhopper, Eastern grape leafhopper, glassy-winged sharpshooter, potato leafhopper, variegated leafhopper, Western grape leafhopper, white apple leafhopper

pear psylla

scales:

soft scales: barnacle scale, black scale, brown soft scale, citricola scale, European fruit lecanium scale, false oleander scale, frosted scale, hemispherical scale, Indian wax scale and other wax scales, tessellated scale, white peach scale

armored scales: boisduval scale, cactus scale, California red scale, coconut scale, fern scale, Florida red scale, oystershell scale, San Jose scale

margarodid scale: cottony cushion scale

USE RESTRICTIONS

- This product is not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York state.
- Do not apply this product through any type of irrigation system.
- Crop Rotational Restrictions:

CROP	PLANTBACK TIMING
All crops registered for use with buprofezin	0 days following application
Cereal grains	30 days following application
All other crops	60 days following application

USE PRECAUTIONS

- Apply in a minimum finished spray volume of 5 gallons per acre by air. For gallonage per acre by ground, refer to Application Rate Chart.
- Phytotoxicity may occur in Asian Pear varieties, normally limited to applications made prior to petal fall.

RESISTANCE MANAGEMENT: The active ingredient in Buprofezin 70WDG IGR is buprofezin, inhibitor of chitin biosynthesis, Type 1 belonging to the Insecticide Resistance Action Committee (IRAC) Group 16. This product is effective in controlling insect pests and minimizing the development of resistance when used in rotation with other insecticides in an IPM program.

To reduce selection pressure for resistant pests:

- Do not use this product or another group 16 insecticide against consecutive insect generations. Consecutive applications can be used, however, within a single / same generation. It is best to use this product in rotation with classes of insecticides and modes of action other than those in IRAC group 16.
- For management of pests with short life cycles such as whiteflies, do not use this product more than once within each generation cycle.
- Always apply this product at the required rates and according to label directions. Do not use an application rate alone or in tank mixtures that is less than the minimum amount stated on the label.
- Use this product as part of an insect management program that includes cultural and biological control where possible.
- Scout pest populations and begin this product applications before the pest becomes established. Focus treatments on early immature stages for best results. For optimum control, thoroughly wet the undersides of leaves, particularly when applications are made to control pear psylla, whiteflies and thrips.
- For greenhouse use, if another insect growth regulatory with the same mode of action as a chitin biosynthesis inhibitor (i.e. cyromazine, diflubenzuron and novaluron) has been used in the greenhouse within 28 days do not apply this product as the first whitefly application.

Adopt an integrated pest management program for insecticide/acaricide use that includes scouting, uses historical information related to pesticide use crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

Monitor after application for unexpected target pest survival. If level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

Contact your local extension specialist or certified crop advisors for any pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

See specific crop Use Directions for maximum single application rate, annual maximum number of applications and amount of active ingredient.

APPLICATION DIRECTIONS

Applications should be made immediately after the spray solution is prepared. Thorough spray coverage is essential for effective control. Applications may be made with high or low volume spray equipment that provides thorough coverage of the plant. Apply with properly calibrated spray equipment. For best results, apply when pest populations are beginning to build, before reaching economic thresholds.

Consult your local agricultural advisor, or state cooperative extension service for guidance.

SPRAY DRIFT REDUCTION MANAGEMENT

Do not apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

Importance of Droplet Size:

An important factor influencing drift is droplet size. Small droplets (<150 - 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Ground Applications:

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application. For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two (2) rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Aerial Applications:

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used and must not exceed 75% of the wingspan or 80% rotor diameter. Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. When applications are made with a cross-wind, the swath will be displaced downwind.

The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Wind Speed Restrictions:

Drift potential increases at wind velocities of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. Only apply this product if the wind direction favors on-target deposition. Do not apply when wind velocity exceeds 15 mph and avoid gusty and windless conditions.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Restrictions During Temperature Inversions:

Do not make ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by stable air and increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by mist or ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally near the ground surface in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

Use Rate Equivalency

Since this product contains 70% w/w buprofezin active ingredient (a.i.) per pound of product, the following table expresses the use rate equivalency of oz. of this product in terms of lb. active ingredient on a per acre basis.

oz. of product per acre	lb. a.i. per acre
6	0.26
7	0.31
9	0.39
12	0.53
14	0.61
18	0.79
23	1.01

24	1.05
27	1.18
28	1.23
34.5	1.51
45	1.97
46	2.01
60	2.63
69	3.02
91	3.98
92	4.03

MIXING INSTRUCTIONS

Buprofezin 70 WDG IGR is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use directions. Fill the spray tank with approximately $\frac{1}{2}$ of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing.

TANK MIXTURES

To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If this product is to be tank mixed with other pesticides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The guideline on tank mixture partners is driven by formulation type. Start with water dispersible granules (WDG's), wettable powders (WP's) including water soluble powders (WSB's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there must be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

SPRAY COVERAGE: All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

Buprofezin 70 WDG IGR Crop/Use Site Index

Crop	Page
Bananas	
Coffee	
Citrus fruit Group 10	
Citrus fruit Group 10 FL/TX	
Grapes	
Olives	

Pears, Asian pears
 Persimmon
 Pistachios
 Pome fruit Group 11-10 (except pears, Asian pears)
 Pomegranates
 Stone fruit Group 12
 Tomato (Greenhouse)
 Tree Nut Group 14

Tropical; Acerola, atemoya, avocado, binda, chenmoya,
 custard apple, feijoa, guava, ilama, jaboticaba, passion fruit,
 soursop, starfruit, sugar apple and wax jambu

Tropical; black sapote, canistel, mamey sapote, mango,
 papaya, sapodilla, star apple

Tropical; longan, pulasan, rambutan, Spanish lime

Ornamentals (greenhouse and outdoor)

Christmas trees

The use rate for this product is expressed in terms of the oz. of this product per acre as Rate oz. /acre and Rate lb. /acre.

The pre-harvest interval (PHI) is the required number of days between the last application of this product and the harvesting of the crop.

The application spray volume is expressed as the number of gallons of liquid applied per acre (GPA).

Bananas

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	7.0	0.438	Apply a minimum spray solution of 15 gallons per acre by ground.
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 27 oz. of this product per acre per year (1.18 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 1 day.			

Citrus Fruits (Crop Group 10) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
black scales California red scale citricola scale cottony cushion scale glassy-winged sharpshooter mealybugs	34.5 – 46.0	1.5 – 2.0	Apply a minimum spray solution of 750 gallons per acre by ground. For best results of: <ul style="list-style-type: none"> red scale, apply at early crawler emergence, citricola scale, begin applications after complete crawler hatch. Spring applications can provide

			<p>suppression and minimize honeydew accumulation,</p> <ul style="list-style-type: none"> • Cottony cushion scale. Apply after July 1st. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Citrus Fruits (Crop Group 10) (TX & FL Only) calamondin; citron; citrus hybrids; grapefruit; kumquat; lemon; lime; Mediterranean mandarin; orange, sour; orange, sweet; pummelo; satsuma mandarin; tachibana orange; tangerine(mandarin); tangelo; trifoliate orange; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
soft scales armored scales	34.5 – 46.0	2156 – 2.875	<p>Apply a minimum spray solution of 250 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> • scale begin applications after start of crawler hatch and emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on tree canopy and locations of scale insect within the tree canopy.</p>
Restrictions: Limited to Florida and Texas Only Do not apply more than 2 applications per year. The minimum spray interval is 60 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Coffee

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	23.0	1.43	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of:</p> <ul style="list-style-type: none"> • mealybugs and scales, apply when populations reach economic threshold. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
Restrictions: Do not apply more than 4 applications per year. The minimum spray interval is 14 days. Do not use more than 91.0 oz. of this product per acre per year (3.98 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 0 day.			

Grapes

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
European fruit lecanium scale	12.0	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • leafhoppers, apply when majority of the population is at early nymphal stage, • mealybugs, begin applications at early crawler emergence.
leafhopper mealybugs	9.0 – 12.0	0.56 – 0.75	<p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 7 days.</p>			

Grapes (AZ and CA Only)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs	24.0	1.5	<p>Apply a minimum spray solution of 50 gallons per acre by ground. Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p> <p>For best results of</p> <ul style="list-style-type: none"> • mealybugs, begin applications at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
<p>Restrictions:</p> <p>Limited to Arizona and California Only</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 24. oz. of this product per acre per year (1.05 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 30 days.</p>			

Olives

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 110 to 500 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> black scale, apply after complete crawler emergence from the female scale has occurred, Other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 50 days. Do not use more than 92.0 oz. of this product per acre per year (4.03 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Pears (Group 11-10 pear; Asian pear)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs pear psylla scales	34.5 – 46.0	2.156 - 2.875	<p>Apply a minimum spray solution of 80 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> 1st and 2nd instar pear psylla, apply pre-bloom or at petal fall. In-season, apply when smaller pear psylla nymphs are present, Tank mix with adulticide for optimum control, mealybugs or San Jose scale, apply pre-bloom or at first crawler emergence, other scales, apply at early crawler emergence. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p> <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p> <p>Phytotoxicity may occur in Asian pear varieties but is normally limited to applications made prior to petal fall.</p>
Restrictions:			

Do not apply more than 2 applications per year.
The minimum spray interval is 7 days.
Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).
Pre-Harvest Interval (PHI) is 14days.

Persimmons

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs soft scales European fruit lecanium scales frosted scale	34.50	2.156	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> mealybugs, apply at beginning of crawler emergence. This product is most effective on early developmental stage of mealybugs. scales, apply a beginning of crawler emergence of the scale generation being targeted. <p>Good spray coverage is essential.</p>
Restrictions: Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 14 days.			

Pome Fruits (Crop Group 11-10 except pears (see separate directions for pears) apple, azarole, crabapple, loquat, mayhaw, medlar, quince, Chinese quince, Japanese quince, tejocote; cultivars, varieties, and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers	9.0 - 12.0	0.56 - 0.75	<p>Apply a minimum spray solution of 80 gallons per acre by ground. For low-volume sprayers use a minimum of 20 gallons per acre.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre-bloom or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply at dormant, delayed dormant to petal fall when nymphs are present. Apply in-season at early crawler emergence. <p>Good spray coverage is essential. Orient nozzles to assure good coverage. Use a higher volume of spray will assure better coverage especially under adverse conditions, such as hot, dry weather and/or a dense canopy.</p>
mealybugs scales	34.5	2.156	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
Restrictions:			

Do not apply more than 1 application per year.
 Do not use more than 34.5 oz. of this product per acre per year (1.51 lb. a.i. per acre per year).
 Pre-Harvest Interval (PHI) is 14 days.

Pomegranates

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
whiteflies	12 – 34.5	0.75 – 2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> Brown soft scale, apply at dormant timing targeting the overwintering population or at crawler emergence during the summer, San Jose scale, apply at dormant, delayed dormant, pre- bloom or in-season at early crawler emergence, whiteflies, apply at early nymph threshold, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p>
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the grape canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Stone Fruits (Crop Group 12-12) apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarines, peach, plum, American plum, beach plum, Canada plum, cherry plum, chickasaw plum, damson plum, Japanese plum, klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5	2.156	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence, other scales, apply at early crawler emergence, mealybugs, apply when early crawler emergence occurs.

			<p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69.0 oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 14 days.</p>			

Tree Nuts (Crop Group 14) almonds, beechnuts, Brazil nuts, butternuts, cashews, chestnuts, chinquapins, filberts, hickory nuts, macadamia nuts, pecans, walnuts {black and English} and pistachios.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
mealybugs scales	34.5 – 46.0	2.156 – 2.875	<p>Apply a minimum spray solution of 100 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> San Jose scale, apply at dormant, delayed dormant, pre- bloom when scale is in the black cap stage or in-season at early crawler emergence or when scales are of a susceptible early nymphal stage, other scales, apply at early crawler emergence. mealybugs, apply when early crawler emergence occurs. <p>Good spray coverage is essential.</p> <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Adjust volume based on size of the tree canopy, Use higher volumes for dense canopies.</p>
<p>Restrictions:</p> <p>Do not apply more than 1 application per year.</p> <p>Do not use more than 46.0 oz. of this product per acre per year (2.01 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 60 days.</p>			

Tomatoes (Greenhouse)

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhopper mealybugs planthoppers	9.0	0.56	<p>Apply by ground on 2 acre minimum with spray solution of 20 gallons per acre.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Good coverage is essential.</p>
whiteflies	6.0 – 9.0	0.38 – 0.56	<p>Apply in sufficient water to obtain complete coverage of all plant parts. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the</p>

		spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.
Restrictions: Do not apply more than 2 applications per growing cycle. The minimum spray interval is 5 days. Do not use more than 18.0 oz. of this product per acre per growing cycle (0.79 lb. a.i. per acre per growing cycle). Pre-Harvest Interval (PHI) is 1 day.		

Tropical; acerola, atemoya, avocado, binda, chermoya, custard apple, feijoa, guava, ilama, jaboticaba, passion fruit, soursop, starfruit, sugar apple and wax jambu.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
scales	34.5	2.156	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">scale and mealybugs, begin applications at early crawler emergence.
leafhoppers mealybugs whiteflies	9.0 - 12.0	0.56 - 0.75	
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 2 applications per year. The minimum spray interval is 14 days. Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 21 days.			

Tropical; black sapote, canistel, mamey sapote, mango, papaya, sapodilia, star apple.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs scales whiteflies	9.0 - 12.0	0.56 – 0.75	Apply a minimum spray solution of 20 gallons per acre by ground. For best results of <ul style="list-style-type: none">mealybugs and scales, apply at early crawler emergence for best control.
Restrictions: Limited to Florida, Hawaii and Puerto Do not apply more than 5 applications per year. The minimum spray interval is 14 days. Do not use more than 45 oz. of this product per acre per year (1.97 lb. a.i. per acre per year). Pre-Harvest Interval (PHI) is 3 days.			

Tropical; longan, pulasan, rambutan, Spanish lime.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
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scales	34.5	2.156	<p>Apply a minimum spray solution of 75 gallons per acre by ground.</p> <p>For best results of</p> <ul style="list-style-type: none"> scales, apply at early crawler emergence for best control. <p>Use a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per year.</p> <p>The minimum spray interval is 14 days.</p> <p>Do not use more than 69. oz. of this product per acre per year (3.02 lb. a.i. per acre per year).</p> <p>Pre-Harvest Interval (PHI) is 21 days.</p>			

Ornamental Plants in greenhouses; lath and shadehouses; nurseries; landscape ornamentals; ground covers; field-and container-grown ornamentals; non-bearing fruit and nut trees and vines in nurseries; Christmas trees.

Pest	Rate oz./acre	Rate lb./acre	Application Instructions
leafhoppers mealybugs planthoppers	12	0.75	<p>Apply a minimum spray solution of 50 gallons per acre by ground.</p> <p>For best results, apply when populations level reaches economic threshold. Consult local and state agricultural authorities for specific details.</p> <p>Apply in sufficient water to obtain complete, uniform coverage of all plant parts including stems and underside of leaves. Applications may be made with high volume, low volume or ultra-low volume (thermal and non-thermal foggers, misters, etc.) ground equipment only. Follow the spray equipment manufacturer's directions to determine the amount of spray solution required to obtain thorough coverage. Consult the spray equipment manufacturer's operator's manual, spray nozzle catalogs and/or your crop advisor for more information.</p>
scales	14.0	0.875	<p>For optimum control of</p> <ul style="list-style-type: none"> whiteflies, leafhoppers or planthopper, apply as soon as adult insects begin to appear. scales, apply at early crawler emergence. mealybugs, apply as soon as insect activity is observed.
whiteflies	6.0	0.375	<p>Good spray coverage is essential.</p>
<p>Restrictions:</p> <p>Do not apply more than 2 applications per growing cycle.</p> <p>Do not use more than 28.0 oz. of this product per acre per growing cycle (1.23 lb. a.i. per acre per growing cycle).</p>			

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in original container in a cool, dry and secure location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed on site or at an approved waste disposal facility.

[Plastic bottle packaging:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Fiber Drums with Liners:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into the handling or application equipment. Then offer for recycling if available, or dispose of liner in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Batch Code: _____

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE

USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

All trademarks are proprietary of their respective owners.

[Made in [Japan][China] [packaged in USA].

[Active ingredient made [and formulated] in [Japan][China], [formulated in USA] [and] [package in USA]].

Fee for Service

{1018794v~

This package includes the following

☒ New Registration

☐ Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

11

Receipt No.

S-

1018794

EPA File Symbol/Reg. No.

2749-LIT

Pin-Punch Date:

4/17/2018

☒ This item is NOT subject to FFS action.

Action Code:

Requested:

R300

Granted:

R300

Amount Due: \$ 1582

Parent/Child Decisions:

☐ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: H. GARNE

Date: 4/24/18

Remarks: CSF should state 100% repack

NEW APPLICATIONS

DATE: 4/23/18

FILE REG NUMBER: 2749 EPA IT

APR 23 2018

FEP (OPPIN ENTRY) (8)

(Initial & Date)

FILE ROOM: _____

(Initial & Date)

SIG: _____

(Initial & Date)

FILE ROOM: _____

(Initial & Date)

ASSIGN TO PM: AD _____ RD // _____ BPPD _____

_____ JACKET TO SHELF (DATA)

To the Document Center (ITRMD)

* Please transfer Jacket to the Product Manager team listed below:

Fungicide Branch	PM 21	PM 22
Fungicide Herbicide Branch	PM 20	PM 24
Herbicide Branch	PM 23	PM 25
Inerts Branch (IIAB)	PM 8	
Insecticide Vertebrate Branch 1	PM 3	PM 4
Insecticide Vertebrate Branch 2	PM 10	PM 11
Insecticide Vertebrate Branch 3	PM 1	PM 7
Minor Use Team	PM 5	

Reminder to PM- if applicable, please pick up data from screening room.

Aswathy Bales
Team Member Signature

5/1/18
Date

21-Day Screen Completed by
Contractor

21-Day Expires on 5/8/18

Jacket # 2749-LIT

MRID# n/a

Content Screen: Recommend to Pass/Fail

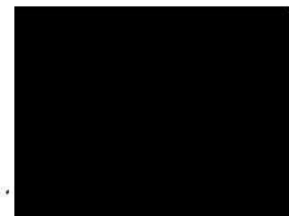
11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

Donna Davis

Product ingredient source information may be entitled to confidential treatment



PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 4/17/18

Experts In-Processing Signature: MP Date 4/25/18 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date _____

EPA Reg. Number: <u>2749-LIT</u>		EPA Receipt Date: <u>4/17/18</u>			
Items for Review			Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type		<input checked="" type="checkbox"/>		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)		<input checked="" type="checkbox"/>		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A)	yes <u>N/A 100% Repack</u>	no <input type="checkbox"/>		
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)				<input checked="" type="checkbox"/>
	Certificate and data matrix consistent				
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes <input type="checkbox"/>	no <input type="checkbox"/>		
	If applicable, is there a letter of Authorization for exclusive use only.				
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)				<input checked="" type="checkbox"/>
	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)				<input checked="" type="checkbox"/>
5	a) Selective Method (Fee category experts use)	yes <input type="checkbox"/>	no <input type="checkbox"/>		
	b) Cite-All (Fee category experts use)	<input type="checkbox"/>	<input type="checkbox"/>		
	c) Applicant owns all data (Fee category experts use)	<input type="checkbox"/>	<input type="checkbox"/>		
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)		<input checked="" type="checkbox"/>		
7	Is the data package consistent with PR Notice 86-5				<input checked="" type="checkbox"/>
8	Notice of Filing included with petitions				<input checked="" type="checkbox"/>

9	If applicable for conventional applications, <u>reduced risk rationale</u>			
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

DOCUMENTATION: PASS

Required forms are complete

INERTS: PASS

N/A 100% REPACK, NO INERTS TO REVIEW.

PRN 11-3: PASS

NO STUDIES SUBMITTED

OVERALL STATUS: PASS

MR 4/26/2018

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the inert Web site and if the inert is not approved nor has an application pending with the Agency, **to obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch.

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

April 25, 2018

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-540519
EPA File Symbol or Registration Number: 2749-LIT
Product Name: BUPROFEZIN 70WDG IGR
EPA Receipt Date: 17-Apr-2018
EPA Company Number: 2749
Company Name: ACETO AGRICULTURAL CHEMICALS CORP.

JOHN F. WRIGHT
PRODUCT & REGULATORY ASSOCIATES, LLC
REPRESENTING ACETO AGRICULTURAL CHEMICALS CORP.
8595 COLLIER BLVD. - SUITE 107-51
NAPLES, FL 34114

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R300

NEW PRODUCT;OR SIMILAR COMBINATION PRODUCT (ALREADY REGISTERED) TO AN IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT;REGISTERED SOURCE OF ACTIVE INGREDIENT;NO DATA REVIEW ON ACUTE TOXICITY, EFFICACY OR CRP - ONLY PRODUCT CHEMISTRY DATA;CITE-ALL DATA CITATION, OR SELECTIVE DATA CITATION WHERE APPLICANT OWNS ALL REQUIRED DATA, OR APPLICANT SUBMITS SPECIFIC AUTHORIZATION LETTER FROM DATA OWNER;CATEGORY ALSO INCLUDES 100% RE-PACKAGE OF REGISTERED END-USE OR MANUFACTURING-USE PRODUCT THAT REQUIRES NO DATA SUBMISSION NOR DATA MATRIX;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 347-0510.

Sincerely,

A handwritten signature in black ink, appearing to be "JF Wright", is written over the word "Sincerely,".

Front End Processing Staff
Information Technology & Resources Management Division

Receipt for Section 3

S: 1018794

Milestone Email:

Regulatory Type: Product Registration - Section 3

Application Type: New Registration

Company: 2749 ACETO AGRICULTURAL CHEMICALS CORP.

V

Risk Manager: Registration Division, Risk Management Team 11

Product #: 2749-LIT

Product Name: BUPROFEZIN 70WDG IGR

Override#:

☐ Me Too Section 3:

Me Too Product Name:

Application Date: 16-Apr-2018

Front End Date: 23-Apr-2018

FFS Due Date:

OPP Target Date:

OPP Rec'd Date: 17-Apr-2018

Risk Manager Send Date:

Negotiated Due Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description: NEW REGISTRATION REQUEST

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Resubmission: ☐ Yes ☒ No

Fee For Service: ☐ Yes ☒ No

Billable: ☐ Yes ☒ No

Print Letter

Enter More Information

Tracking

Receipt Content

CSF

Paper Label

< >

View/Edit

218

John Wright

From: notification@pay.gov
Sent: Friday, April 13, 2018 3:31 PM
To: jwrightch@comcast.net
Subject: Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact Michael Yanchulis at (703) 347-0237 or yanchulis.michael@epa.gov.

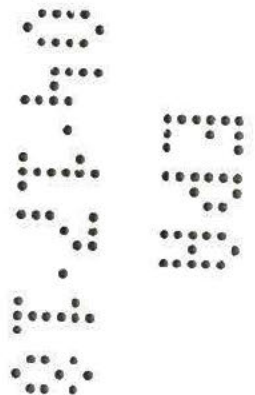
Application Name: PRIA Service Fees
Pay.gov Tracking ID: 26919IA4
Agency Tracking ID: 75465539732
Transaction Type: Sale
Transaction Date: 04/13/2018 03:30:35 PM EDT

Account Holder Name: Fred Trudwig Jr

Transaction Amount: \$1,582.00
Card Type: AmericanExpress
Card Number: *****2002

Registration Number:
Company Name: Aceto Ag
Company Number: 2749
Action Code: R300

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



John Wright

From: notification@pay.gov
Sent: Friday, April 13, 2018 3:31 PM
To: jwrightch@comcast.net
Subject: Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions regarding this payment, please contact Michael Yanchulis at (703) 347-0237 or yanchulis.michael@epa.gov.

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 26919IA4
Agency Tracking ID: 75465539732
Transaction Type: Sale
Transaction Date: 04/13/2018 03:30:35 PM EDT

Account Holder Name: Fred Trudwig Jr

Transaction Amount: \$1,582.00
Card Type: AmericanExpress
Card Number: *****2002

Registration Number:
Company Name: Aceto Ag
Company Number: 2749
Action Code: R300

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

